

JVC

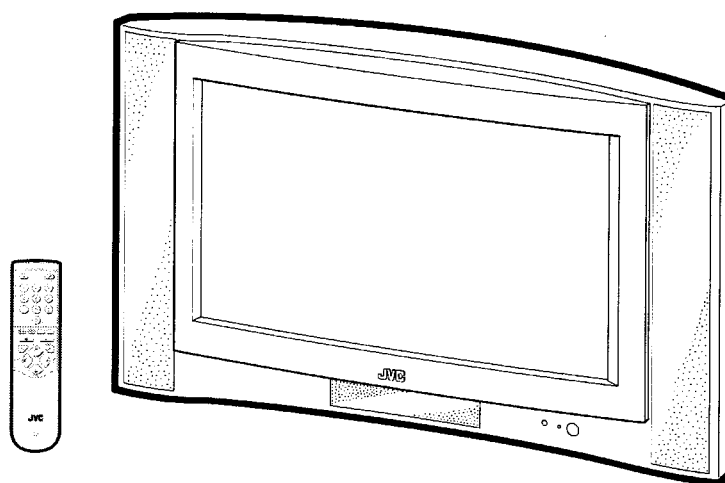
SERVICE MANUAL

COLOUR TELEVISION

AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

BASIC CHASSIS

JL



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AV32T25EKS / AV32R25EKS
 AV32T55EKS / AV32R250EKS
 AV32T25EIS

SPECIFICATIONS

Item	Content		
	AV 32T25EKS AV 32T55EKS	AV 32T25EIS	AV 32R25EKS AV 32R250EKS
Dimensions (W × H × D)	946mm × 561.5mm × 547mm		946mm × 561.5mm × 551mm
Mass	54.5kg		57.5kg
TV RF System	CCIR (I)		
Colour System	PAL NTSC (Only in EXT mode)		
Stereo System	NICAM		
Teletext System	FLOF (Fastext) WST(Standard system)		
Receiving Frequency			
VHF	_____	47MHz ~ 470MHz	_____
UHF	470MHz ~ 862MHz	←	←
Intermediate Frequency			
VIF Carrier	38.9MHz (I)		
SIF Carrier	32.9MHz (6.0MHz:I)		
Colour Sub Carrier Freq.			
PAL	4.43MHz		
NTSC	3.58MHz / 4.43MHz		
Power Input	AC 220V ~ 240V , 50Hz		
Power Consumption	200W(Max) / 127W(Avg) Standby : 3W		
Aerial Input Term	75 Ω unbalanced, Coaxial		
Picture Tube	Visible size : 76cm, Measured diagonally		
High Voltage	31.0kV ^{+1kV} _{-1.5kV} (CRT cut off , FULL mode)		
Speaker	6.5cm × 13cm Oval type × 2	6.5cm × 13cm Oval type × 2(side) 4cm × 16cm Oval type × 1 (center) φ 13cm Round type × 1 (sub woofer)	
Audio Output	10W + 10W	10W + 10W + 10W + 18W	
EXT-1/EXT-2/EXT-3 (Input / Output)	21-pin Euro connector (SCART socket)		
EXT-4 (Input)	Video	1Vp-p 75Ω (RCA pin jack)	
	Audio (L/R)	500mVrms(-4dBs), High Impedance (RCA pin jack)	
	S / Video	Y : 1Vp-p POSITIVE (Negative sync Provided, when terminated with 75Ω) C : 0.286Vp-p (Burst signal, when terminated with 75Ω)	
AUDIO OUT (Variable)	0~1Vrms, Low Impedance (RCA pin jack × 2)		
SURROUND REAR output	_____	7.5W + 7.5W, Impedance 8 Ω (Push terminal)	
Headphone jack	Stereo minijack (φ 3.5mm)		
Remote Control Unit	RM-C55H		RM-C60H

Design & specifications are subject to change without notice.

AV 32R25EKS / AV32R250EKS only

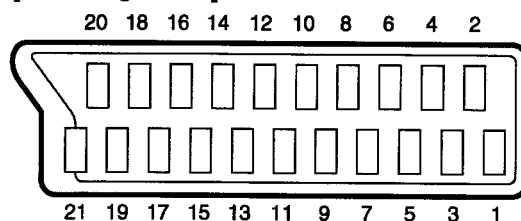
- ★ Manufactured under license from Dolby Laboratories Licensing Corporation.
- "Dolby" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

■21-pin Euro connector (SCART socket) : EXT-1 / EXT-2 / EXT-3

(P-P= Peak to Peak, S-W= Sync tip to white peak, B-W= Blanking to white peak)

Pin No.	Signal Designation	Matching Value	EXT-1	EXT-2	EXT-3
1	AUDIO R output	500mVrms(Nominal), Low impedance	○ (TV OUT)	○ (LINE OUT)	NC
2	AUDIO R input	500mVrms(Nominal), High impedance	○	○	○
3	AUDIO L output	500mVrms(Nominal), Low impedance	○ (TV OUT)	○ (LINE OUT)	NC
4	AUDIO GND		○	○	○
5	GND (B)		○	○	○
6	AUDIO L input	500mVrms(Nominal), High impedance	○	○	○
7	B input	700mV _{B-W} , 75Ω	○	NC	NC
8	FUNCTION SW (SLOW SW)	Low : 0-3V, High : 8-12V, High impedance	○	○	○
9	GND (G)		○	○	○
10	SCL3		NC	○	NC
11	G input	700mV _{B-W} , 75Ω	○	NC	NC
12	SDA3		NC	○	NC
13	GND (R)		○	○	○
14	GND (Y _S)		○	NC	NC
15	R / C input	R : 700mV _{B-W} , 75Ω C : 300mV _{P-P} , 75Ω	○ (only R)	○ (only C)	○ (only C)
16	Ys input	Low : 0 - 0.4, High : 1 - 3V, 75Ω	○	NC	NC
17	GND(VIDEO output)		○	○	○
18	GND(VIDEO input)		○	○	○
19	VIDEO output	1V _{P-P} (Negative going sync), 75Ω	○ (TV)	○ (LINE OUT)	NC
20	VIDEO / Y input	1V _{P-P} (Negative going sync), 75Ω	○	○	○
21	COMMON GND		○	○	○

[Pin assignment]



SAFETY PRECAUTIONS

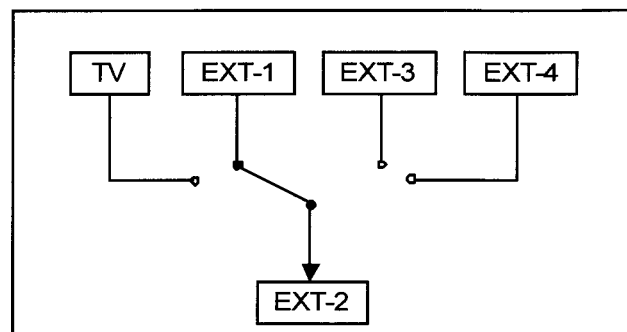
1. The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessary be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (Δ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may cause shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubing's, barriers and the like to be separated from live parts, high temperature parts, moving parts and / or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

WARNING

1. The equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

FEATURES

- By preference, users can select the picture size from REGULAR, PANORAMIC, FULL, 14:9 ZOOM, 16:9 ZOOM, 16:9 ZOOM SUB TITLE modes. When the TV unit received WSS picture signal, the picture can be changed to 16:9 ZOOM mode automatically.
- The TELETEXT SYSTEM has a built-in FASTEXT, and WST system.
- Because this TV unit corresponds to multiplex broadcast, users can enjoy music programs and sporting events with live realism. In addition, BILINGUAL programs can be heard in their original language.
- Users can make VCR dubbing of picture and sound by controlling the AV selector to select an optional source at the EXT-2 output shown in figure.
- Built-in DOLBY PRO LOGIC 3D-PHONE function.
[Only AV32R25EKS / AV32R250EKS]



MAIN DIFFERENCE LIST

Δ	Model Name Part Name	AV32T25EKS	AV32T55EKS	AV32T25EIS	AV32R25EKS	AV32R250EKS
	MAIN PB ASSY	SJL-1004A-U2	←	SJL-1007A-U2	SJL-1008A-U2	←
	DEF POWER PB ASS	SJL-2002A-U2	←	←	SJL-2004A-U2	←
	CRT SKT PB ASSY	SJL-3002A-U2	←	←	←	←
	FRONT CTRL ASSY	SJL-8004A-U2	←	←	←	←
	SIDE CTRL ASSY	SJL-8104A-U2	←	←	SJL-8102A-U2	←
	AV SW PB ASSY	SJL0S002A-U2	←	←	SJL0S003A-U2	←
	DOLBY PB ASSY	—	—	—	SJL0D001A-U2	←
Δ	AV BOARD	LC11010-004A-U	←	←	LC11336-001B-U	←
Δ	RATING LABEL	LC11364-004A-U	LC11364-014A-U	LC11364-017A-U	LC11364-002A-U	LC11364-015A-U
Δ	SP BOX T	—	—	—	LC11308-001A-U	←
Δ	SP BOX B	—	—	—	LC11309-001A-U	←
	SPEAKER (SP03)	—	—	—	QAS0110-001	←
	SPEAKER (SP04)	—	—	—	QAS0092-001	←
	SPEAKER PANEL	LC21065-001A-U	←	←	LC21031-001A-U	←
Δ	F CABI ASSY	LC11360-002B-U	←	←	LC11360-001B-U	LC11360-001A-U
	JVC MARK	LC41250-002C-C	LC41250-001A-C	←	LC41250-002C-C	LC41250-001A-C
	CUSHION ASSY	LC11373-001A	←	←	LC11361-001A	←
Δ	INST BOOK	LCT1153-001A-U	←	←	LCT1152-001A-U	←
	REG CARD	AEM3148-001-E	←	—	AEM3148-001-E	←
	RC HAND UNIT	RM-C55H-1C	←	←	RM-C60H-1C	←
	EURO LABEL	AEM1064-006-E	AEM1064-029-E	AEM1064-008-E	AEM1064-001-E	AEM1064-016-E

SPECIFIC SERVICE INSTRUCTIONS

AV32T25EKS / AV32T55EKS / AV32T25EIS

DISASSEMBLY PROCEDURE

REMOVING THE REAR COVER

1. Unplug the power cord.
2. Remove the 13 screws marked **A** as shown in the Fig. 1.
3. Withdraw the rear cover toward you.

REMOVING THE SIDE CONTROL JACK ASSEMBLY

- After removing the rear cover.
1. Remove the screw marked **B** as shown in the Fig.1.
 2. While slightly raise the side control jack assembly, remove the 2 claws under the side control jack assembly.
 3. Disconnect the connector "SR", "SL", "S", "F" and "CN016" as shown in Fig 2.

REMOVING THE SIDE CONTROL PWB

- After removing the rear cover and side control jack assembly.
1. Remove the 3 claws **C** from back side of the side control jack assembly as shown in Fig.2.
 2. Pull out the SIDE CONTROL PWB.

REMOVING THE CHASSIS

- After removing the rear cover.
1. Slightly raise the both sides of the chassis by hand and remove the two claws under the both sides of the chassis from the front cabinet.
 2. Withdraw the chassis backward.
(If necessary, take off the wire clamp, connectors etc.)

REMOVING THE POWER & DEF. PWB

- After removing the CHASSIS.
1. Remove the 3 screws marked **D** as shown in the Fig.1.
 2. Remove the POWER & DEF. PWB upper.
(If necessary, take off the wire clamp, connectors, etc.)

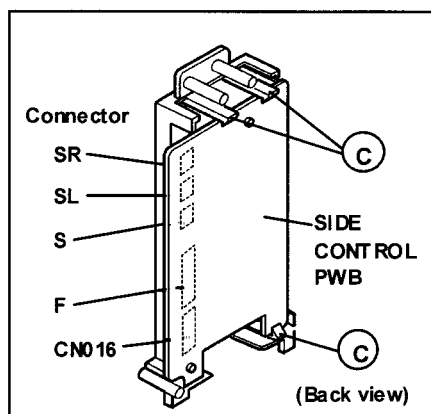


Fig. 2

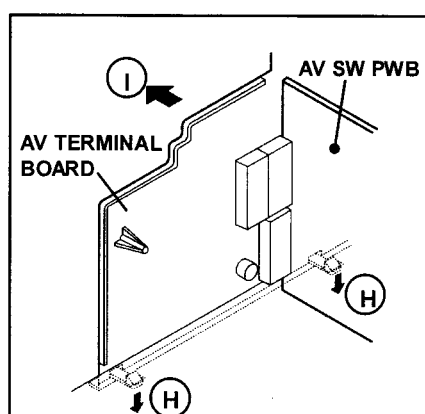


Fig. 3

REMOVING THE SPEAKER

- After removing the rear cover.
1. Remove the 2 screws marked **E**, and remove the speaker holder as shown in Fig. 1.
- NOTE:** When removing the screws marked **E** of the speaker holder remove the lower side screw first, and then remove the upper one.
2. Remove the 2 screws **F** attaching the speaker.
 3. Follow the same steps when removing the other hand speaker.

REMOVING THE AV TERMINAL BOARD

- After removing the rear cover.
1. Remove the 3 screws marked **G** as shown in the Fig. 1.
 2. Remove the 2 claws marked **H** under the CHASSIS as shown in Fig. 3.
 3. Remove the AV TERMINAL BOARD slightly in the direction of arrow **I** as shown in Fig. 3.

CHECKING THE PW BOARD

To check the back side of the PW Board.

- 1) Pull out the chassis. (Refer to REMOVING THE CHASSIS).
- 2) Erect the chassis vertically so that you can easily check the back side of the PW Board.

[CAUTION]

- When erecting the chassis, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PW board.

WIRE CLAMPING AND CABLE TYING

1. Be sure to clamp the wire.
2. Never remove the cable tie used for tying the wires together.
Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

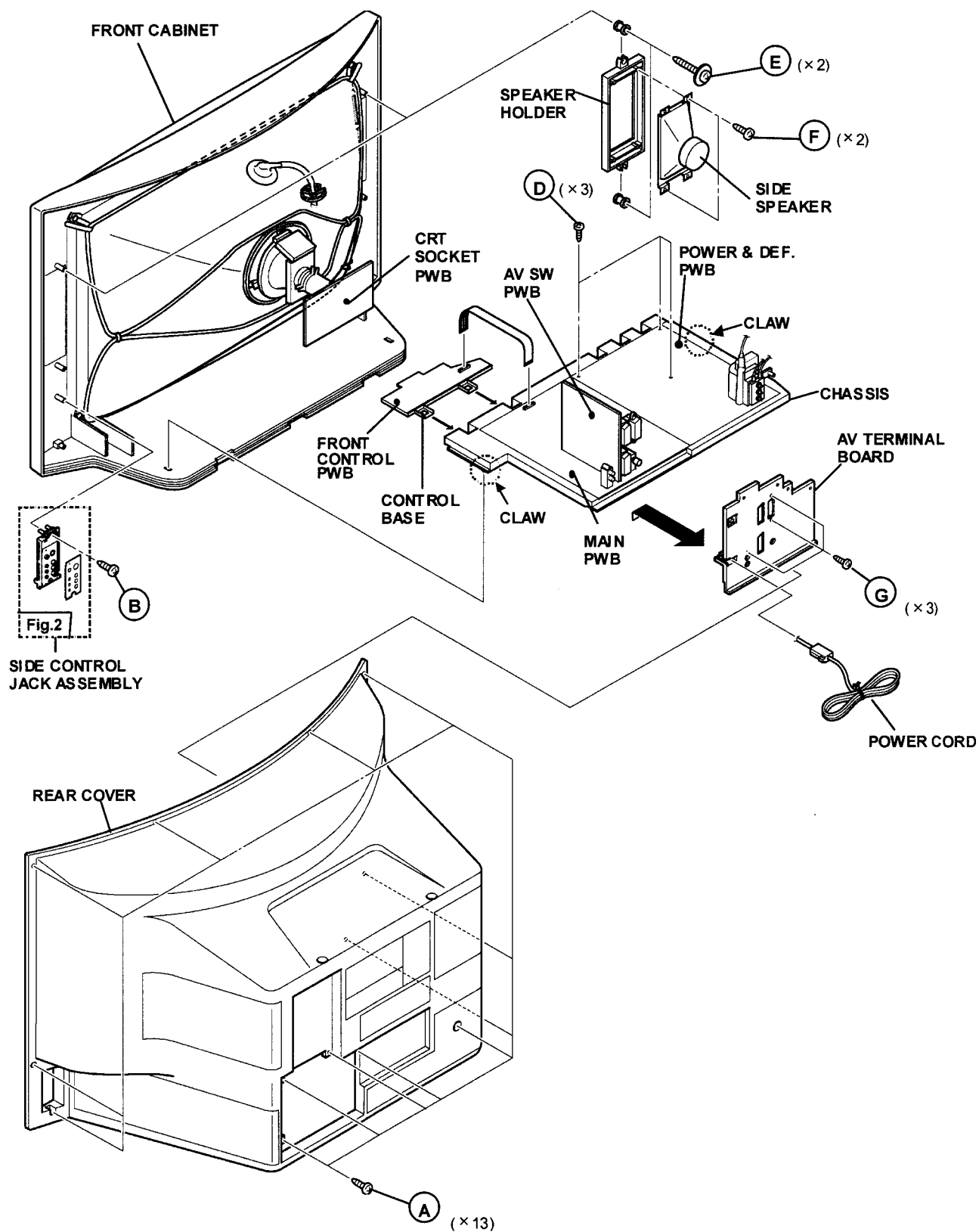


Fig. 1

AV32R25EKS / AV32R250EKS DISASSEMBLY PROCEDURE

REMOVING THE SUB WOOFER UNIT & THE REAR COVER

1. Unplug the power cord.
2. Remove the SUB WOOFER CORD from the AV TERMINAL BOARD.
3. Pull up the SUB WOOFER UNIT on the top of the rear cover upward.
4. Remove the 13 screws marked **A** as shown in the Fig. 4.
5. Withdraw the rear cover toward you.

REMOVING THE SIDE CONTROL JACK ASSEMBLY

- After removing the rear cover.
1. Remove the screw marked **B** as shown in the Fig.1.
 2. While slightly raise the side control jack assembly, remove the 2 claws under the side control jack assembly.
 3. Disconnect the connector "SR", "SL", "S", "F" and "CN016" as shown in Fig. 5.

REMOVING THE SIDE CONTROL PWB

- After removing the rear cover and side control jack assembly.
1. Remove the 3 claws **C** from back side of the side control jack assembly as shown in Fig. 5.
 2. Pull out the SIDE CONTROL PWB.

REMOVING THE CHASSIS

- After removing the rear cover.
1. Slightly raise the both sides of the chassis by hand and remove the two claws under the both sides of the chassis from the front cabinet.
 2. Withdraw the chassis backward.
(If necessary, take off the wire clamp, connectors etc.)

REMOVING THE POWER & DEF. PWB

- After removing the chassis.
1. Remove the 3 screws marked **D** as shown in Fig. 4.
 2. Remove the POWER & DEF. PWB upper.
(If necessary, take off the wire clamp, connectors etc.)

REMOVING THE CENTER SPEAKER

- After removing the rear cover and chassis.
1. Remove the 2 screws marked **E** as shown in Fig. 4.
 2. Remove the center speaker. If necessary, detach the cables.

REMOVING THE SIDE SPEAKER

- After removing the rear cover.
1. Remove the 2 screws marked **F**, and remove the speaker holder as shown in Fig. 4.
- NOTE:** When removing the screws marked **F** of the speaker holder remove the lower side screw first, and then remove the upper one.
2. Remove the 2 screws **G** attaching the speaker.
 3. Follow the same steps when removing the other hand speaker.

REMOVING THE AV TERMINAL BOARD

- After removing the rear cover.
1. Remove the 5 screws marked **H** as shown in the Fig. 4.
 2. Remove the 2 claws marked **I** under the CHASSIS as shown in Fig. 6.
 3. Remove the AV TERMINAL BOARD slightly in the direction of arrow **J** as shown in Fig. 6.
 4. After removing the claw **K** on the connector for SUB WOOFER, pull out the connector for SUB WOOFER. (Fig. 7)

CHECKING THE PW BOARD

To check the back side of the PW Board.

- 1) Pull out the chassis. (Refer to REMOVING THE CHASSIS).
- 2) Erect the chassis vertically so that you can easily check the back side of the PW Board.

[CAUTION]

- When erecting the chassis, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PW board.

WIRE CLAMPING AND CABLE TYING

1. Be sure to clamp the wire.
2. Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

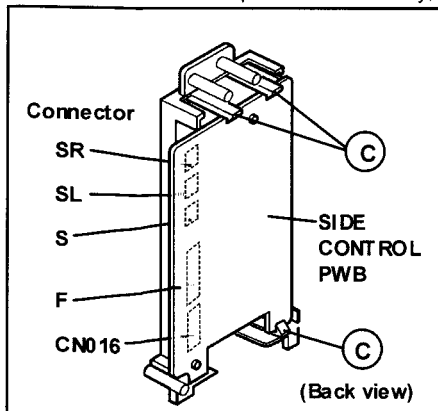


Fig. 5

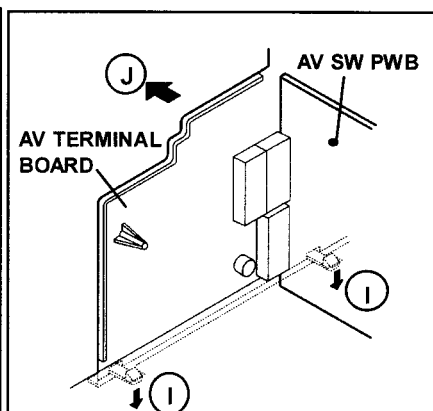


Fig. 6

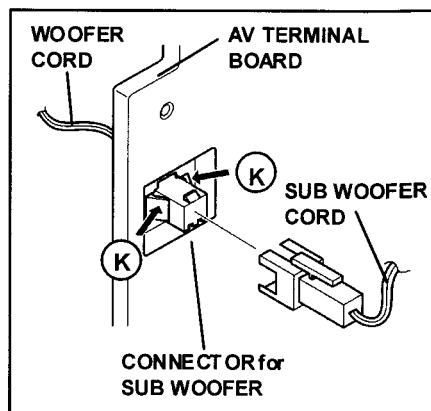
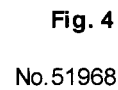


Fig. 7



AV32T25EKS / AV32R25EKS
 AV32T55EKS / AV32R250EKS
 AV32T25EIS

REMOVING THE CRT

- * Replacement of the CRT should be performed by 2 or more persons.
- After removing the cover, chassis etc.,
- 1. Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig.8).
- 2. While keeping the surface of CRT down, mount the TV set on the CRT change table balanced well as shown in Fig.9.
- 3. Remove 4 screws marked by arrows with a box type screw driver as shown in Fig.9.
- Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.
- 4. After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig.10.
- The CRT should be assembled according to the opposite sequence of its dismantling steps.
- * The CRT change table should preferably be smaller than the CRT surface, and its height be about 35cm.

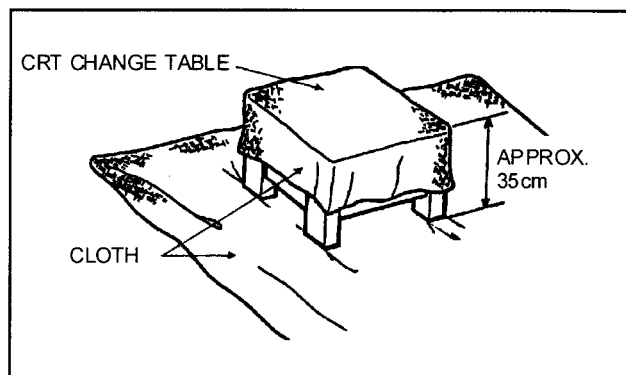


Fig. 8

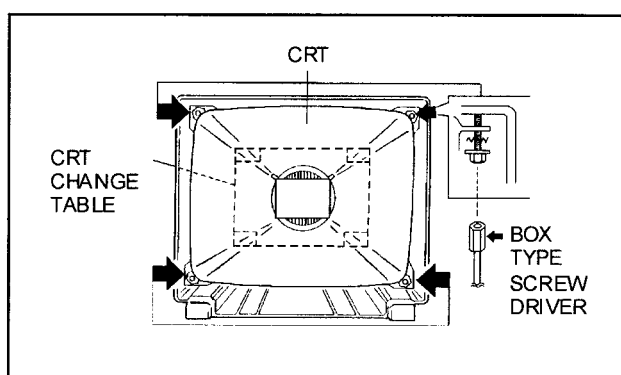


Fig. 9

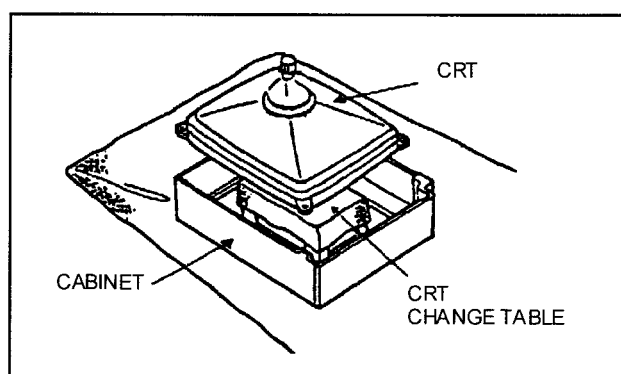
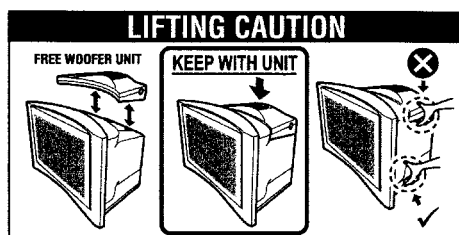


Fig. 10

CAUTION (Only AV32R25EKS / AV32R250EKS)

- The woofer unit is mounted on the TV. Always move the TV and woofer unit together when removing the TV from the box, or when moving the woofer unit.
- If the TV is tilted during movement the woofer unit may fall. Be careful to keep the TV level when moving it.
- Do not grip the woofer unit when moving the TV.
- Do not place objects on the woofer unit duct.



REPLACEMENT OF CHIP COMPONENT

■ CAUTIONS

1. Avoid heating for more than 3 seconds.
2. Do not rub the electrodes and the resist parts of the pattern.
3. When removing a chip part, melt the solder adequately.
4. Do not reuse a chip part after removing it.

■ SOLDERING IRON

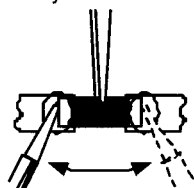
1. Use a high insulation soldering iron with a thin pointed end of it.
2. A 30W soldering iron is recommended for easily removing parts.

■ REPLACEMENT STEPS

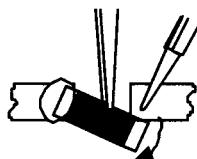
1. How to remove Chip parts

◆ Resistors, capacitors, etc

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with tweezers and remove the chip part.

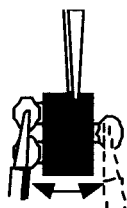


◆ Transistors, diodes, variable resistors, etc

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.

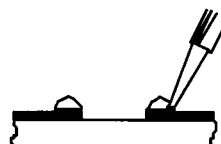


Note : After removing the part, remove remaining solder from the pattern.

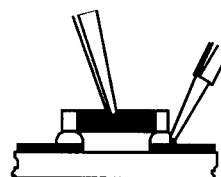
2. How to install Chip parts

◆ Resistors, capacitors, etc

- (1) Apply solder to the pattern as indicated in the figure.

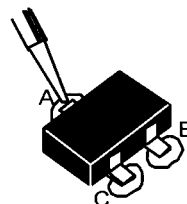


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

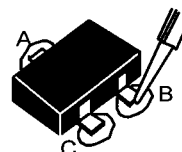


◆ Transistors, diodes, variable resistors, etc

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead A as indicated in the figure.



- (4) Then solder leads B and C.



REPLACEMENT OF MEMORY IC

1. Memory IC

This TV use memory IC. In the memory IC, there are memorized data for correctly operating the video and deflection circuits. When replacing memory IC, be sure to use IC written with the initial values of data.

2. Procedure for replacing memory IC

PROCEDURE
(1) Power off Switch the power off and unplug the power cord from the outlet.
(2) Replace IC. Be sure to use memory IC written with the initial data values.
(3) Power on Plug the power cord into the outlet and switch the power on.
(4) Check and set SYSTEM CONSTANT SET: * It must not adjust without signal. 1) Press the INFORMATION key and the MUTING key of the REMOTE CONTROL UNIT simultaneously. 2) The SERVICE MENU screen of Fig. 1 will be displayed. 3) While the SERVICE MENU is displayed, press the INFORMATION key and MUTING key simultaneously, and the SYSTEM CONSTANT SET screen of Fig. 2 will be displayed. 4) Check the setting values of the SYSTEM CONSTANT SET of Table 1. If the value is different, select the setting item with the FUNCTION UP/DOWN key, and set the correct value with the FUNCTION +/- key. 5) Press the MENU key to memorize the setting value. 6) Press the INFORMATION key twice, and return to the normal screen.
(5) Setting of receive channels Set the receive channel. For setting, refer to the OPERATING INSTRUCTIONS.
(6) User settings Check the user setting values of Table 2, and if setting value is different, set the correct value. For setting, refer to the OPERATING INSTRUCTIONS.
(7) Setting of SERVICE MENU Verify the setting items of the SERVICE MENU of Table 3, and reset where necessary. For setting, refer to the SERVICE ADJUSTMENTS.

SERVICE MENU	
1. IF	2. VC
3. AUDIO	4. DEF
5. VSM PRESET	6. VPS
7. SHIPPING (OFF)	
1-7: SELECT	i: EXIT

Fig1

SYSTEM CONSTANT SET	
MODEL=JL EURO(*. ***)	
1. DESTINATION: EK	
JVC JL EURO V00	

- + OK: STORE	i: EXIT

Fig2

NAME OF REMOTE CONTROL KEY

Names of key	key
INFORMATION	
MUTING	
MENU	
FUNCTION UP/DOWN	
FUNCTION +/-	

SETTING VALUES OF SYSTEM CONSTANT SET (TABLE 1)

Setting item	Setting content	Setting value	Setting item	Setting content	Setting value
1.DESTINATION	EK → EI → EP	EK EI (Only AV32T25EIS)	5.COMB	YES ↔ NO	NO
2.DOLBY	YES ↔ NO	NO(AV32T***) YES(AV32R***)	6.PICTUR TILT	YES ↔ NO	NO
3.BBE	YES ↔ NO	NO	7.FLAT	YES ↔ NO	YES
4.TV SPEAKER	YES ↔ NO	YES	8.3-D	YES ↔ NO	NO

USER SETTING VALUES (TABLE 2)

SOUND LEVEL	10	SUB POWER	ON
SHIPPING CHANNEL	1	ZOOM MODE	PANORAMIC

USER MENU SETTING			
PICTURE SETTING		EXT SETTING	
TINT CONTRAST BRIGHT SHARP COLOUR	COOL REFER to VSM PRESET	DUBBING	EXT-1 → EXT-2
PICTURE FEATURES		FEATURES	
AUTO VNR COLOUR SYSTEM 4:3 AUTO ASPECT	AUTO TV : According to preset CH EXT : AUTO PANORAMIC	SLEEP TIMER BLUE BACK CHILD LOCK DECODER (EXT-2)	OFF ON ID : No.**** ALL CH OFF OFF
SOUND SETTING		INSTALL	
STEREO / I · II BASS TREBLE	CENTER CENTER	LANGUAGE EDIT/MANUAL	ENGLISH PRESET CH only The others : BLANK
DIGITAL SURROUND (AV32R***)		DEMO	OFF
PRO LOGIC 3-D PHONIC LEVEL	CINEMA / SPORT CENTER		

SERVICE MENU SETTING ITEMS (TABLE 3)

Setting item	Setting value	Setting item	Setting value
1. IF	VCO	4. DEF.	1. V-SHIFT 2. V-SIZE 3. SUBTITLE 4. H-CENT 5. H-SIZE 6. EW-PIN 7. TRAPEZ 8. EW. COR. L 9. EW. COR. H 10. V. S-COR 11. V-LIN 12. H-BLK-R 13. H-BLK-L 14. V-EHT 15. H-EHT 16. EHT-GAIN
2. V / C	1. CUT OFF 2. DRIVE 3. BRIGHT 4. CONT. 5. COLOUR 6. HUE 7. BLACK OFFSET (Only SECAM) 8. SHARP	5. VSM PRESET COOL NORMAL WARM	1. BRIGHT 2. CONT. 3. COLOUR 4. SHARP 5. HUE 6. R DRIVE 7. B DRIVE
3. AUDIO (Do not adjust)	1. ERROR LIMIT 2. A2 ID THR 3. BASS 4. TREBLE	6. VPS (Do not adjust)	VPS PDC WSS
		7. SHIPPING (Do not adjust)	ON / OFF

AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

SERVICE ADJUSTMENTS

BEFORE STARTING SERVICE ADJUSTMENT

1. There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.

2. The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

3. Make sure that connection is correctly made to AC power source.

4. Turn on the power of the TV and measuring instrument for warming up for at least 30 minutes before starting adjustment.

5. If the receive or input signal is not specified, use the most appropriate signal for adjustment.
6. Never touch parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

7. Preparation for adjustment (presetting):
Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT:

● Setting position

PICTURE MODE (VSM)	NORMAL
SLEEP TIMER	OFF
BALANCE	CENTER
ZOOM	PANORAMIC

MEASURING INSTRUMENT AND FIXTURES

1. DC voltmeter (or digital voltmeter)

2. Oscilloscope

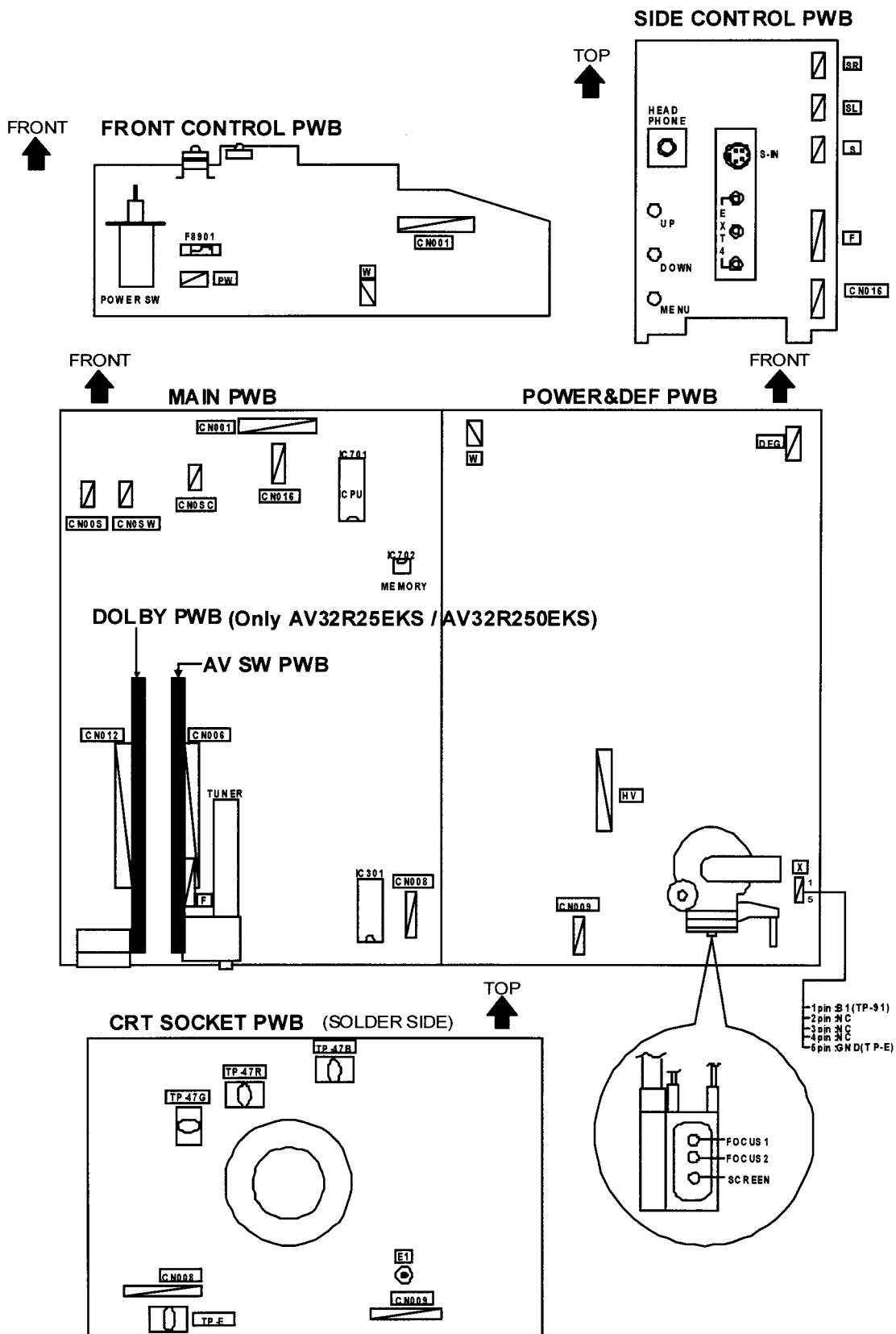
3. Signal generator (Pattern generator) [PAL / NTSC]

4. Remote control unit

ADJUSTMENT ITEMS

- B1 POWER SUPPLY check.
- HIGH VOLTAGE check.
- FOCUS Adjustment.
- IF circuit adjustment.
- VSM preset adjust setting.
- VIDEO / CHROMA circuit adjustment.
- DEFLECTION circuit adjustment.
- H BLANKING adjustment.
- AUDIO circuit adjustment. (Do not adjust)

ADJUSTMENT LOCATIONS



BASIC OPERATION SERVICE MENU

1. TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

2. SERVICE MENU ITEMS

With the SERVICE MENU, various settings (adjustments) can be made, and they are broadly classified in the following items of settings (adjustments):

- (1) 1. IF This mode adjusts the setting values of the IF circuit.
- (2) 2.V/C This mode adjusts the setting values of the VIDEO / CHROMA circuit.
- (3) 3.AUDIO This mode adjusts the setting values of the multiplicity SOUND circuit. (Do not adjust)
- (4) 4.DEF This mode adjusts the setting values of the DEFLECTION circuit for each aspect mode given below.
 - REGULAR (50/60 Hz)
 - PANORAMIC (50/60 Hz)
 - 14:9 ZOOM (50/60 Hz)
 - 16:9 ZOOM (50/60 Hz)
 - 16:9 SUB TITLE (50/60 Hz)
 - FULL (50/60 Hz)
- (5) 5.VSM PRESET This mode adjusts the initial setting values of COOL, NORMAL and WARM. (VSM : Video Status Memory)
- (6) 6.VPS This mode shows the monitor of the VPS, PDC and WSS. (Do not adjust) (VPS : Video Program System, PDC : Program Delivery Code, WSS : Wide Screen Signalling)
- (7) 7.SHIPPING This menu is set at shipping. (Do not adjust)

3. BASIC OPERATION OF SERVICE MENU

(1) How to enter SERVICE MENU

Press the INFORMATION key and the MUTING key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig. 1 will be displayed.

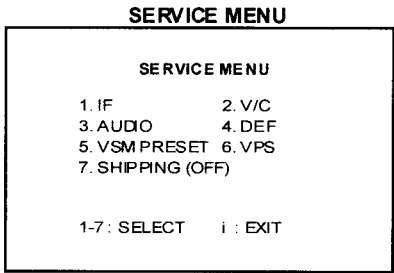


Fig.1

(2) Selection of SUB MENU SCREEN

Press one of keys 1~7 of the REMOTE CONTROL UNIT and select the SUB MENU SCREEN (See Fig. 3), from the SERVICE MENU.

- SERVICE MENU → SUB MENU
- 1. IF
 - 2. V / C
 - 3. AUDIO
 - 4. DEF.
 - 5. VSM PRESET
 - 6. VPS
 - 7. SHIPPING

NEME OF REMOTE CONTOROL KEY	
Names of key	key
INFORMATION	
MUTING	
MENU	
FUNCTION UP/DOWN	
FUNCTION +/-	

Fig.2

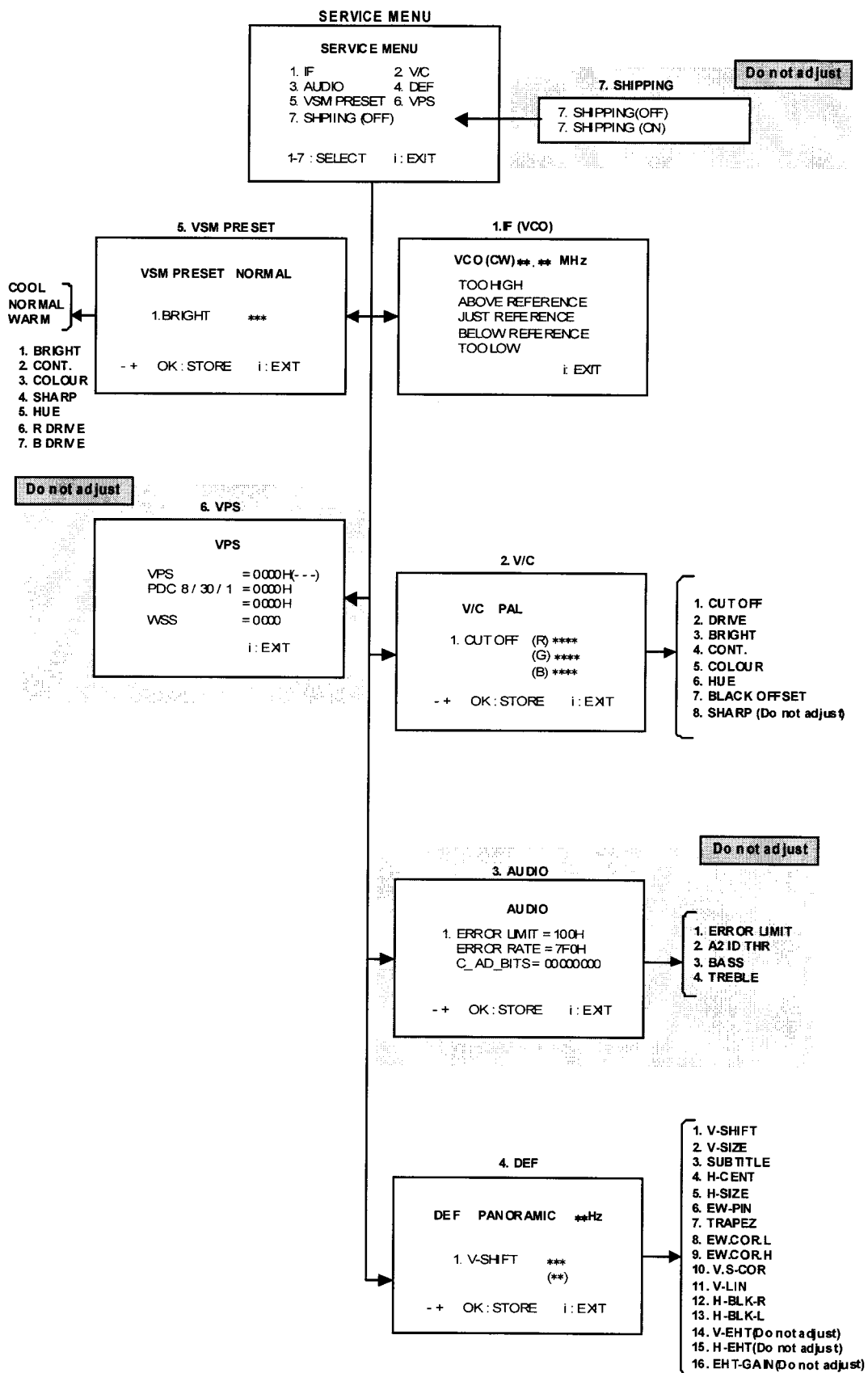


Fig. 3 SUB MENU SCREEN

AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

(3) **Method of Setting**

1) Method of Setting **1.IF**

[VCO]

- ① 1 Key..... Select 1.IF.
- ② The VCO (CW) screen will be displayed in yellow when the AFC voltage is at a certain level and in blue when it is at other levels.
- ③ INFORMATION Key..... Return to the SERVICE MENU screen.

2) Method of setting **2.V/C, 3.AUDIO, 4.DEF and 5.VSM PRESET.**

- ① 2~5 Key..... Select one from **2.V/C, 3.AUDIO, 4.DEF and 5.VSM PRESET.**
- ② FUNCTION UP / DOWN Key Select setting items.
- ③ FUNCTION +/-..... Set (adjust) the setting values of the setting items.
(Use the number keys of the REMOTE CONTROL UNIT for setting of WHITE BALANCE.
For the setting, refer to each item concerned.)
- ④ MENU Key Memorize the setting value.
(Before storing the setting values in memory, do not press the CH, TV, POWER ON/ OFF key -
if you do, the values will not be stored in memory.)
- ⑤ INFORMATION Key..... Return to the **SERVICE MENU** screen.

3) Method of setting **6.VPS and 7.SHIPPING.**

- 6.VPS..... This mode displayed monitor of VPS, PDC, WSS. **(Do not adjust)**
- 7.SHIPPING When the MAIN POWER is turned on with the state of SHIPPING ON, you get a mode that initializes every existing set value including language selection. Because this mode is set at the factory upon completion of the adjustment, you need not to use it for service.
(Do not adjust in this mode.)

(4) **Release of SERVICE MENU**

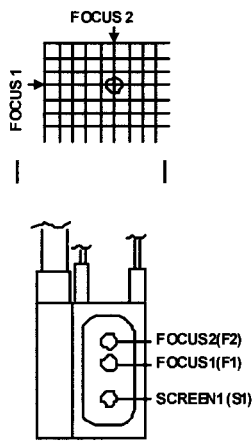
- 1) After completing the setting, return to the SERVICE MENU, then again press the INFORMATION key.

ADJUSTMENTS

CHECK ITEM

Item	Measuring instrument	Test point	Adjustment part	Description
B1 POWER SUPPLY Check	Signal generator DC voltmeter Remote control unit	TP-91(B1) TP-E(↓) [X connector on POWER DEF PWB]		<ol style="list-style-type: none"> 1. Receive a any broadcast. 2. Push the "ZOOM" key and select the FULL mode. 3. Select 2.V/C from the SERVICE MENU. 4. Select 1. CUT OFF with Function UP/DOWN key. 5. Show one horizontal line with the 1 key. 6. Turn the SCREEN VR, the whole black screen display. 7. Connect a DC voltmeter to TP-91(B1) and TP-E(↓). 8. Make sure that the voltage is DC143.0V±2.0V. 9. Readjust the SCREEN VR to appear the horizontal line faintly, and cancel the horizontal line to press the 2 key.
HIGH VOLTAGE Check	Signal generator DC voltmeter Remote control unit	CRT anode Chassis GND		<ol style="list-style-type: none"> 1. Receive a any broadcast. 2. Push the "ZOOM" key and select the FULL mode. 3. Select 2.V/C from the SERVICE MENU. 4. Select 1.CUT OFF with Function UP/DOWN key. 5. Show one horizontal line with the 1 key. 6. Turn the SCREEN VR, the whole black screen display. 7. Connect a DC voltmeter to CRT ANODE and chassis GND. 8. Make sure that the voltage is DC 31.0kV -1.5kV. 9. Readjust the SCREEN VR to appear the horizontal line faintly, and connect the horizontal line to press 2 key.

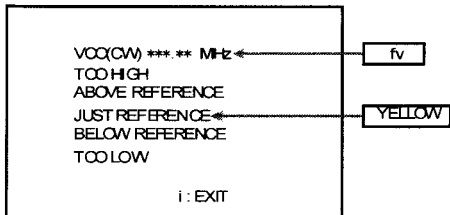
FOCUS ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of FOCUS	Signal generator 		FOCUS 1 FOCUS 2 [In FBT]	<ol style="list-style-type: none"> 1. Receive a cross-hatch signal. 2. Push the "ZOOM" key and select the FULL mode. 3. By turning the FOCUS2 VR, and adjust the picture so that the "O" part vertical line may become thinnest. 4. By turning the FOCUS1 VR, and adjust the picture so that the 3rd horizontal line from the upper may become uniform at the line center and its periphery. 5. Carry out adjustment by repeating the steps 3 and 4 above. 6. Make sure that when the screen is darkened, the lines remain in good focus.

AV32T25EKS / AV32R25EKS
 AV32T55EKS / AV32R250EKS
 AV32T25EIS

IF CIRCUIT ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of VCO	Remote control unit			<ul style="list-style-type: none"> Under normal conditions, no adjustment is required. 1. Receive any broadcast. 2. Select 1.IF from the SERVICE MENU. 3. Check the characters colour of the JUST REFERENCE displayed to yellow.



VSM PRESET ADJUST SETTING

Item	Measuring instrument	Test point	Adjustment part	Description
Setting of VSM PRESET	Remote control unit		1. BRIGHT 2. CONT. 3. COLOUR 4. SHARP 5. HUE 6. R DRIVE 7. B DRIVE	1. Select 5.VSM PRESET from the SERVICE MENU. 2. Select COOL with the MENU key of the remote control unit. 3. Adjust the FUNCTION UP/DOWN and +/- key to bring the set values of 1.BRIGHT ~ 7.B DRIVE to the values shown in the table. 4. Press the MENU key and memorize the set value. 5. Respectively select the VSM PRESET mode for NORMAL and WARM, and make similar adjustment as in 3 above. 6. Press the MENU key and memorize the set value. * Refer to OPERATING INSTRUCTIONS for the PICTURE MODE.

Setting item	VSM preset mode		
	COOL	NORMAL	WARM
1. BRIGHT SETTING VALUE	+0	+0	+0
2. CONT. SETTING VALUE	+12	+10	+2
3. COLOUR SETTING VALUE	+6	+0	-2
4. SHARP SETTING VALUE	+0	+0	-2
5. HUE SETTING VALUE	+0	+0	+0
6. R DRIVE SETTING VALUE	-20	+0	+16
7. B DRIVE SETTING VALUE	+23	+0	-13

SETTING VALUES OF VSM PRESET

VIDEO / CHROMA CIRCUIT ADJUSTMENT

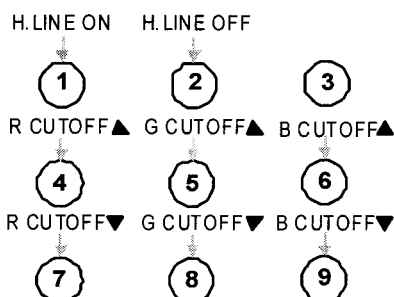
The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values.
The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

Setting Item (Adjustment Item)		Initial setting value
1. CUTOFF	R	-100
	G	-100
	B	-100
2. DRIVE	R	+0
	B	+0
3. BRIGHT		+0
4. CONT.		-10

Colour system Setting item		Initial setting value	
		PAL	NTSC 3.58 NTSC 4.43
5. COLOUR		+5	+5
6. HUE			+2
7. BLACK OFFSET (SECAM Only) (Do not adjust)	R-Y		
	B-Y		
8. SHARP (Do not adjust)		-20	←

Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of WHITE BALANCE (Low Light)	Signal generator		1.CUT OFF (R)*** (G)*** (B)***	<ul style="list-style-type: none"> Set the PICTURE MODE to NORMAL. Receive a black and white signal (colour off). Select 2.V/C from the SERVICE MENU. Select 1.CUT OFF with the FUNCTION UP/DOWN key. Push the "ZOOM" key and select the "REGULAR" mode. Show one horizontal line with the 1 key. Gradually turn the SCREEN VR from the left end to the right direction to bring one of the red, green or blue colour faintly visible. Press 4~9 key, and bring out the other 2 colours and make one horizontal line visible in white. Turn the SCREEN VR and bring one white horizontal line faintly visible. Press 2 key, turn off 1.CUT OFF screen. Press the MENU key and memorize the set value. <p>NOTE: This adjustment is done by the REGULAR mode.</p>
	Remote control unit		SCREEN VR [In FBT]	

Remote Control Unit



Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of WHITE BALANCE (High Light)	Signal generator Remote control unit		2.DRIVE (R) * * * (B) * * *	<ul style="list-style-type: none"> The adjustment for Low Light WHITE BALANCE should be finished. Set the PICTURE MODE to NORMAL. <ol style="list-style-type: none"> Receive a black and white signal (colour off). Push the "ZOOM" key and select the "PANORAMIC" mode. Select 2.V/C from the SERVICE MENU. Select 2.DRIVE with the FUNCTION UP/DOWN key. Change the screen colour to white with 4 key or 7 key (Drive of Red), 6 key or 9 key (Drive of Blue). Press the MENU key, and memorize the set values.
	<div style="border: 1px solid black; padding: 5px; text-align: center;"> REMOTE CONTROL UNIT </div> <div style="text-align: center; margin-top: 10px;"> </div>			
Adjustment of SUB BRIGHT	Remote control unit		3.BRIGHT	<ol style="list-style-type: none"> Receive any broadcast. Push the "ZOOM" key and select "PANORAMIC" mode. Select 2.V/C from the SERVICE MENU. Select 3.BRIGHT with the FUNCTION UP/DOWN key. Set the initial setting value with the FUNCTION +/- key. If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness. Press the MENU key and memorize the set value.
Adjustment of SUB CONTRAST	Remote control unit		4.CONT.	<ol style="list-style-type: none"> Receive any broadcast. Push the "ZOOM" key and select the "PANORAMIC" mode. Select 2.V/C from the SERVICE MENU. Select 4.CONT with the FUNCTION UP/DOWN key. Set the initial setting value with the FUNCTION +/- key. If the contrast is not the best with the initial setting value, make fine adjustment until you get the best contrast. Press the MENU key and memorize the set value.

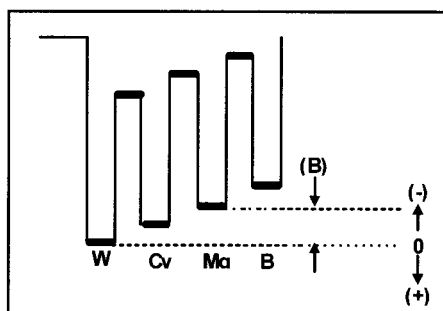
Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of SUB COLOUR I	Remote control unit		5.COLOUR (PAL~NTSC)	[Method of adjustment without measuring instrument]
			PAL COLOUR	(PAL COLOUR) 1. Receive PAL broadcast. 2. Push the "ZOOM" key and select the "PANORAMIC" mode. 3. Select 2.VC from the SERVICE MENU. 4. Select 5.COLOUR with the FUNCTION UP/DOWN key. 5. Set the initial setting value for PAL COLOUR with the FUNCTION - or + key. 6. If the colour is not the best with the initial set value, make fine adjustment until you get the best colour. 7. Press the MENU key and memorize the set value.
			NTSC COLOUR	(NTSC 3.58 COLOUR) 1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal from the EXT terminal. 2. Make similar fine adjustment of NTSC 3.58 COLOUR in the same manner as for above.
				(NTSC 4.43 COLOUR) 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.

AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

Item	Measuring instrument	Test point	Adjustment part	Description		
Adjustment of SUB COLOUR II	Signal generator	TP-47 B	5.COLOUR (PAL~NTSC)	[Method of adjustment using measuring instrument] (PAL COLOUR) <ol style="list-style-type: none">1. Receive a PAL full field colour bar signal (75% white).2. Push the "ZOOM" key and select the "PANORAMIC" mode.3. Select 2.V/C from the SERVICE MENU.4. Select 5.COLOUR with the FUNCTION UP/DOWN key.5. Set the initial setting value of PAL COLOUR with the FUNCTION - or + key.6. Connect the oscilloscope between TP-47B and TP-E(↗) on the CRT SOCKET PWB.7. Adjust PAL COLOUR and bring the value of (A) in the illustration to the values as shown given below table (Voltage difference between white (W) and blue (B)).8. Press the MENU key and memorize the setting value. <table border="1"><tr><td>VOLTAGE (W-B)</td></tr><tr><td>+2V</td></tr></table>	VOLTAGE (W-B)	+2V
	VOLTAGE (W-B)					
	+2V					
Oscilloscope	TP-E(↗) [CRT SOCKET PWB]	PAL COLOUR				
Remote control unit						

			NTSC COLOUR	<div>(NTSC 3.58 COLOUR) <ol style="list-style-type: none">1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal.2. Set the initial setting value of NTSC 3.58 COLOUR with the FUNCTION +/- key.3. Adjust NTSC 3.58 COLOUR and bring the value of (A) in the illustration to the values as shown given below table (Voltage difference between white (W) and blue (B)).4. Press the MENU key and memorize the setting value.<table border="1"><tr><td>VOLTAGE (W-B)</td></tr><tr><td>0V</td></tr></table></div>	VOLTAGE (W-B)	0V
VOLTAGE (W-B)						
0V						
				<div>(NTSC 4.43 COLOUR) <ol style="list-style-type: none">1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.</div>		

Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of SUB HUE I	Remote control unit		6. HUE	[Method of adjustment without measuring instrument]
			NTSC 3.58 HUE	[NTSC 3.58 HUE] 1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. 2. Push the "ZOOM" key and select the "PANORAMIC" mode. 3. Select 2.V / C from the SERVICE MENU. 4. Select 6. HUE with the FUNCTION UP/DOWN key. 5. Set the initial setting value of NTSC 3.58 HUE with the FUNCTION +/- key. 6. If you cannot get the best hue with the initial setting value, make fine adjustment until you get the best hue. 7. Press the MENU key and memorize the set value.
			NTSC 4.43 HUE	[NTSC 4.43 HUE] 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.
Adjustment of SUB HUE II	Signal generator Oscilloscope Remote control unit	TP-47B TP-E(↓) [CRT SOCKET PWB]	6. HUE	[Method of adjustment using measuring instrument]
			NTSC 3.58 HUE	[NTSC 3.58 HUE] 1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. 2. Select 2.V/C from the SERVICE MENU. 3. Select 6. HUE with the FUNCTION UP/DOWN key. 4. Set the initial setting value of NTSC 3.58 HUE with the FUNCTION - or +key. 5. Connect the oscilloscope between TP-47B and TP-E(↓) on the CRT SOCKET PWB. 6. Adjust NTSC 3.58 HUE to bring the value of (B) in the illustration to the values shown given below table (voltage difference between white (W) and magenta (Mg)). 7. Press the MENU key and memorize the setting value
			NTSC 4.43 HUE	[NTSC 4.43 HUE] 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.



VOLTAGE (W-Mg)
-2V

DEFLECTION CIRCUIT ADJUSTMENT

There are 6 modes of the adjustment.

(1) 50Hz mode (①PANORAMIC ②FULL ③REGULAR ④14:9 ZOOM ⑤16:9 ZOOM ⑥16:9 ZOOM SUB TITLE)

(2) 60Hz mode (each aspect mode) Depending upon the kind of signals (vertical frequency 50Hz / 60Hz).

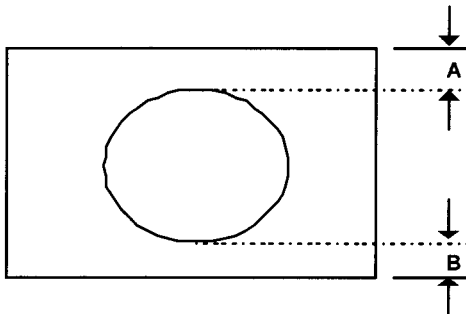
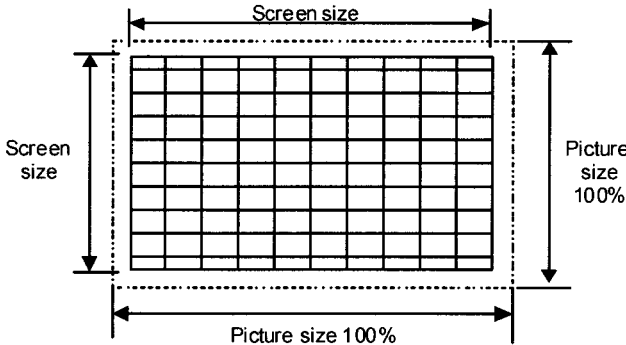
- The adjustment using the remote control unit is made on the basis of the initial setting values.
- When the 50Hz PANORAMIC mode has been established, the setting of other modes will be done automatically. However, if the picture quality has not been optimized, adjust each mode again, respectively.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

Initial setting value (1/2)

Setting item	Adjustment name	Initial setting value							
		PANORAMIC		14:9 ZOOM		16:9 ZOOM		16:9 ZOOM SUB TITLE	
		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
1. V-SHIFT	Vertical center	+1	-1	+0	+0	+0	+0	+0	+0
2. V-SIZE	Vertical height	+5	-2	+9	+9	+22	+22	+28	+28
3. SUBTITLE	SUBTITLE BOTTOM Vertical linearity	-8	+0	+0	+0	+0	+0	+12	+12
4. H-CENT	Horizontal center	-2	+4	+0	+0	+0	+0	+0	+0
5. H-SIZE	Horizontal width	+0	-1	-5	-5	-3	-2	-3	-2
6. EW-PIN	Side pin correction	-10	+0	+0	+0	+0	+0	+0	+0
7. TRAPEZ	Trapezium distortion correction	+0	+0	+0	+0	+0	+0	+0	+0
8. EW.COR.L	CORNER PIN correction Low side	-8	+0	+0	+0	+0	+0	+0	+0
9. EW.COR.H	CORNER PIN correction High side	-1	+0	+0	+0	+0	+0	+0	+0
10. V.S-COR	Vertical height correction	+15	+0	-15	-15	-15	-15	-15	-15
11. V-LIN	Vertical Linearity	+0	+0	+0	+0	+0	+0	+0	+0
12. H-BLK-R	BLANKING POSITION of Right side	+0	+0	+17	+20	+0	+0	+0	+0
13. H-BLK-L	BLANKING POSITION of Left side	+0	+0	+13	+9	+0	+0	+0	+0
14. V-EHT (Do not adjust)	V size correction level caused by EHT change	-2	+0	+0	+0	+0	+0	+0	+0
15. H-EHT (Do not adjust)	H size correction level caused by EHT change	-3	+0	+0	+0	+0	+0	+0	+0
16. EHT-GAIN (Do not adjust)	Size correction gain caused by EHT change	+0	+0	+0	+0	+0	+0	+0	+0

Initial setting value (2/2)

Setting item	Adjustment name	Initial setting value			
		FULL		REGULAR	
		50Hz	60Hz	50Hz	60Hz
1. V-SHIFT	Vertical center	+0	+0	+0	+0
2. V-SIZE	Vertical height	-13	-13	-11	-11
3. SUBTITLE	SUBTITLE BOTTOM Vertical linearity	+0	+0	+0	+0
4. H-CENT	Horizontal center	+0	+0	+0	+0
5. H-SIZE	Horizontal width	-3	-2	-15	-15
6. EW-PIN	Side pin correction	+0	+0	+0	+0
7. TRAPEZ	Trapezium distortion correction	+0	+0	+0	+0
8. EW.COR.L	CORNER PIN correction Low side	+0	+0	+0	+0
9. EW.COR.H	CORNER PIN correction High side	+0	+0	+0	+0
10. V.S-COR	Vertical height correction	-15	-15	-15	-15
11. V-LIN	Vertical Linearity	+0	+0	+0	+0
12. H-BLK-R	BLANKING POSITION of Right side	+0	+0	+17	+20
13. H-BLK-L	BLANKING POSITION of Left side	+0	+0	+13	+9
14. V-EHT (Do not adjust)	Vsize correction level caused by EHT change	+0	+0	+0	+0
15. H-EHT (Do not adjust)	Hsize correction level caused by EHT change	+0	+0	+0	+0
16. EHT-GAIN (Do not adjust)	Size correction gain caused by EHT change	+0	+0	+0	+0

Item	Measuring instrument	Test point	Adjustment part	Description																					
Adjustment of V-SHIFT	Signal generator		1.V- SHIFT	<p>[50Hz PANORAMIC mode]</p> <ol style="list-style-type: none">1. Receive a circle pattern signal of vertical frequency 50Hz.2. Select 4.DEF from the SERVICE MENU.3. Select 1.V-SHIFT with the FUNCTION UP/DOWN key.4. Adjust V-SHIFT to make A = B.5. Press the MENU key and memorize the set value. <p>* NOTE : Check the adjustment value above in other ZOOM mode, If it is a wrong adjustment, readjust in "PANORAMIC" mode and adjust by <11. V-LIN>. And store the get value.</p>																					
	Remote control unit																								
																									
Adjustment of V-SIZE & SUBTITLE			2.V-SIZE 3.SUBTITLE	<ol style="list-style-type: none">6. Receive a cross-hatch signal.7. Select 2.V-SIZE and set the initial setting value.8. Adjust V-SIZE and make sure that the vertical screen size of the picture size is in the bellow table.9. Press the MENU key and memorize the set value.10. When adjust the [SUBTITLE], select "3.SUBTITLE" and adjust to under part of picture size.11. Input a NTSC VIDEO signal (60Hz) from the EXT terminal, and make sure that the vertical screen size is in the table below.12. Press the MENU key and memorize the set value.																					
																									
<table><tr><th>ASPECT MODE</th><th>PANORAMIC</th><th>14 : 9 ZOOM</th><th>16 : 9 ZOOM</th><th>16 : 9 ZOOM SUB TITLE</th><th>FULL</th><th>REGULAR</th></tr><tr><td>SCREEN TOP</td><td>87%</td><td>80%</td><td>73%</td><td>70%</td><td>92%</td><td>92%</td></tr><tr><td>SCREEN BOTTOM</td><td>87%</td><td>80%</td><td>73%</td><td>83%</td><td>92%</td><td>92%</td></tr></table> <p>[SCREEN SIZE]</p>					ASPECT MODE	PANORAMIC	14 : 9 ZOOM	16 : 9 ZOOM	16 : 9 ZOOM SUB TITLE	FULL	REGULAR	SCREEN TOP	87%	80%	73%	70%	92%	92%	SCREEN BOTTOM	87%	80%	73%	83%	92%	92%
ASPECT MODE	PANORAMIC	14 : 9 ZOOM	16 : 9 ZOOM	16 : 9 ZOOM SUB TITLE	FULL	REGULAR																			
SCREEN TOP	87%	80%	73%	70%	92%	92%																			
SCREEN BOTTOM	87%	80%	73%	83%	92%	92%																			

Item	Measuring instrument	Test point	Adjustment part	Description															
Adjustment of HORIZONTAL CENTER			4.H-CENT.	13. Receive a circle pattern signal. 14. Select 4.H-CENT and set the initial setting value. 15. Adjust H-CENT to make C=D. 16. Press the MENU key and memorize the set value.															
Adjustment of HORIZONTAL SIZE			5.H-SIZE	17. Receive a circle pattern signal. 18. Select 5.H-SIZE and set the initial setting value. 19. Adjust H-SIZE and make sure that the horizontal screen size of the picture size is in the bellow table. 20. Press the MENU key and memorize the set value. * The numeric of the REGULAR and 14:9 ZOOM modes are shown the length of the 90% horizontal size position (L) as shown in the figure above. 21. Input a NTSC VIDEO signal (60Hz) from the EXT terminal, and make sure that the horizontal screen size of the each ASPECT mode is in the below table. 22. Press the MENU key and memorize the set value.															
<table><tr><th>ASPECT MODE</th><th>PANORAMIC</th><th>14:9 ZOOM</th><th>16:9 ZOOM</th><th>16:9 ZOOM SUB TITLE</th><th>FULL</th><th>REGULAR</th></tr><tr><td rowspan="2">H SIZE</td><td>PAL=95%</td><td rowspan="2">L=570mm</td><td rowspan="2">92%</td><td rowspan="2">92%</td><td rowspan="2">92%</td><td rowspan="2">L=510mm</td></tr><tr><td>NTSC=94%</td></tr></table>					ASPECT MODE	PANORAMIC	14:9 ZOOM	16:9 ZOOM	16:9 ZOOM SUB TITLE	FULL	REGULAR	H SIZE	PAL=95%	L=570mm	92%	92%	92%	L=510mm	NTSC=94%
ASPECT MODE	PANORAMIC	14:9 ZOOM	16:9 ZOOM	16:9 ZOOM SUB TITLE	FULL	REGULAR													
H SIZE	PAL=95%	L=570mm	92%	92%	92%	L=510mm													
	NTSC=94%																		
[SCREEN SIZE]																			
Adjustment of EW-PIN			6.EW-PIN	23. Select 6.EW-PIN and set the initial setting value 24. Adjust EW-PIN and make the 2nd vertical lines at the left and right edges of the screen straight. Also make sure that the 3rd vertical lines are straight. 25. Press the MENU key and memorize the set value.															

Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of TRAPEZIUM	Signal generator Remote control unit		7. TRAPEZ	<p>26. Receive a cross-hatch signal.</p> <p>27. Select 7.TRAPEZ with the FUNCTION UP/DOWN key.</p> <p>28. Set the initial setting value of TRAPEZIUM with the FUNCTION - or + key.</p> <p>29. Adjust TRAPEZIUM and bring the VERTICAL lines at the right and left edges of the screen parallel .</p> <p>30. Press the MENU key and memorize the set value.</p>
Adjustment of SIDE PIN CORRECTION HIGH/LOW	Signal generator Remote control unit		8.EW. COR. L 9.EW. COR. H	<p>31. Select 8.EW. COR. L with the FUNCTION UP / DOWN key.</p> <p>32. Set the initial setting value of EW. COR. L with the FUNCTION - or + key.</p> <p>33. Adjust EW. COR. L, and bring the straight line at the low corner.</p> <p>34. Select 9.EW. COR. H with the FUNCTION UP / DOWN key.</p> <p>35. Set the initial setting value of EW. COR. H with the FUNCTION - or + key.</p> <p>36. Adjust EW. COR. H, and bring the straight line at the upper corner.</p> <p>37. Press the MENU key and memorize the set value.</p>
Adjustment of V.LINEARITY & V-HEIGHT CORRECTION			10. V-S.CR 11. V-LIN	<p>● When the vertical linearity has been deteriorated remarkably, perform the following steps.</p> <p>38. Receive a cross-hatch signal.</p> <p>39. Select 11.V-LIN with the FUNCTION UP / DOWN key.</p> <p>40. Set the initial setting value of 11.V-LIN with the FUNCTION - / + key.</p> <p>41. Select 10.V-S.COR with the FUNCTION UP / DOWN key.</p> <p>42. Set the initial setting value of 10.V-S.COR with the FUNCTION - / + key.</p> <p>43. Adjust 11.V-LIN and 10.V-S.COR so that the spaces of each line on TOP, CENTER and BOTTOM become uniform.</p> <p>NOTE : In "PANORAMIC" & "16 : 9 ZOOM SUBTITLE" mode, this adjustment should not be done.</p> <p>At first the adjustment in 50Hz-PANORAMIC mode should be done, then the data for the other zoom mode is corrected in the respective value at the same time. And confirm the deflection adjustment initial setting value in 60Hz PANORAMIC mode. If the adjustment in 50Hz each zoom mode has been done and stored, the data for the same aspect modes in 60Hz is corrected in the respective value. Only the data for the other aspect mode in 60Hz is corrected for itself.</p>

AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

H BLANKING ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of HORIZONTAL BLANKING			12.H-BLK-R 13.H-BLK-L	<div><div></div><div><div>1. Receive the PAL circle pattern signal.</div><div>2. Select 4.DEF from the SERVICE MENU.</div><div>3. Press the "ZOOM" key and select the "14:9 ZOOM" mode.</div><div>4. Select 12.H-BLK-R with the FUNCTION UP/DOWN key and adjust H-BLANKING so that 92% of the picture on the right side is displayed.</div><div>5. Select 13.H-BLK-L with the FUNCTION UP/DOWN key and adjust H-BLANKING so that 92% of the picture on the left side is displayed.</div><div>6. Press the MENU key and memorize the set value.</div><div>7. Press the "ZOOM" key and select the "REGULAR" mode.</div><div>8. Select 12.H-BLK-R with the FUNCTION UP/DOWN key and adjust H'-BLANKING so that 92% of the picture on the right side is displayed.</div><div>9. Select 13.H-BLK-L with the FUNCTION UP/DOWN key and adjust H-BLANKING so that 92% of the picture on the left side is displayed.</div><div>10. Press the MENU key and memorize the set value.</div></div></div>

AUDIO CIRCUIT ADJUSTMENT

- Do not touch 3.AUDIO (1.CONC LIMIT, 2.A2 ID THR, 3.ALC, 4.BASS, 5.TREBLE) of the SERVICE MENU as it requires no adjustment.

3. AUDIO

Setting item	Variable range	fixed value
1. ERROR LIMIT(Do not adjust)	00H ~ FFH	10H
2. A2 ID THR(Do not adjust)	00H ~ FFH	19H
3. BASS (Do not adjust)	-17 ~ +17	+0
4. TREBLE (Do not adjust)	-17 ~ +17	+0

PARTS LIST

CAUTION

- The parts identified by the Δ symbol are important for the safety. Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines — in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
C R	Carbon Resistor	C CAP.	Ceramic Capacitor
F R	Fusible Resistor	E CAP.	Electrolytic Capacitor
P R	Plate Resistor	M CAP.	Mylar Capacitor
V R	Variable Resistor	HV CAP.	High Voltage Capacitor
HV R	High Voltage Resistor	MF CAP.	Metalized Film Capacitor
MF R	Metal Film Resistor	MM CAP.	Metalized Mylar Capacitor
MG R	Metal Glazed Resistor	MP CAP.	Metalized Polystyrol Capacitor
MP R	Metal Plate Resistor	PP CAP.	Polypropylene Capacitor
OM R	Metal Oxide Film Resistor	PS CAP.	Polystyrol Capacitor
CMF R	Coating Metal Film Resistor	TF CAP.	Thin Film Capacitor
UNF R	Non-Flammable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH V R	Chip Variable Resistor	TAN. CAP.	Tantalum Capacitor
CH MG R	Chip Metal Glazed Resistor	CH C CAP.	Chip Ceramic Capacitor
COMP. R	Composition Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

TOLERANCES									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

AV32T25EKS / AV32R25EKS
 AV32T55EKS / AV32R250EKS
 AV32T25EIS

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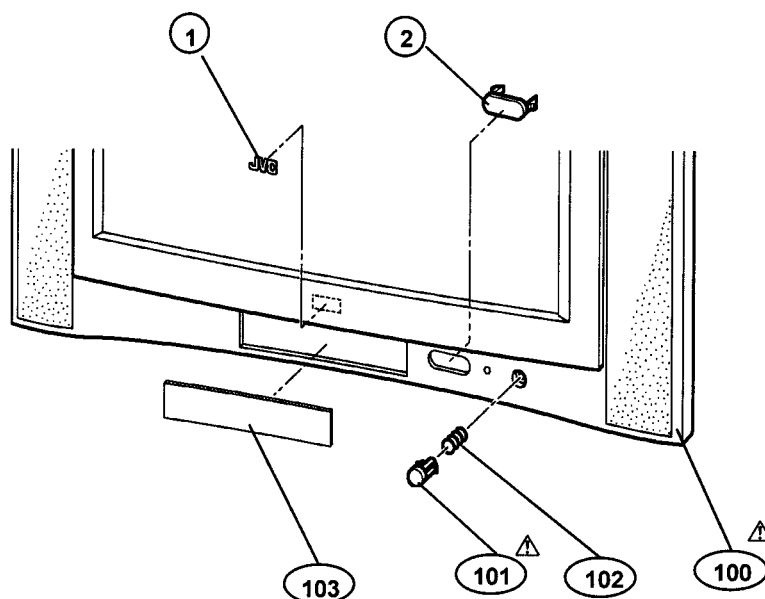
USING PW BOARD & REMOTE CONTROL UNIT

Model PWB ASS'Y	AV32T25EKS	AV32T55EKS	AV32T25EIS	AV32R25EKS	AV32R250EKS
MAIN PWB	SJL-1004A-U2	←	SJL-1007A-U2	SJL-1008A-U2	←
POWER & DEF. PWB	SJL-2002A-U2	←	←	SJL-2004A-U2	←
CRT SOCKET PWB	SJL-3002A-U2	←	←	←	←
FRONT CONTROL PWB	SJL-8004A-U2	←	←	←	←
SIDE CONTROL PWB	SJL-8104A-U2	←	←	SJL-8102A-U2	←
AV SW PWB	SJL0S002A-U2	←	←	SJL0S003A-U2	←
DOLBY PWB	—	—	—	SJL0D001A-U2	←
REMOTE CONTROL UNIT	RM-C55H-1C	←	←	RM-C60H-1C	←

EXPLODED VIEW PARTS LIST (1)

△ Ref.No.	Part No.	Part Name	Description
AV32T25EKS / AV32T55EKS			
1	LC41250-002C-C	JVC MARK	[AV32T25EKS]
1	LC41250-001A-C	JVC MARK	[AV32T55EKS]
2	LC31851-001A-C	WINDOW	
△ 100	LC11360-002B-U	F CAB I ASSY	Inc. No. 101~103 [AV32T25EKS]
△ 100	LC11360-002A-U	F CAB I ASSY	Inc. No. 101~103 [AV32T55EKS]
△ 101	LC31201-003A-U	POWER KNOB	(SERVICE)
102	AEM3149-001-E	SPRING	
103	LC21065-001A-U	CENTER PANEL	
AV32T25EIS			
1	LC41250-001A-C	JVC MARK	
2	LC31851-001A-C	WINDOW	
△ 100	LC11360-002B-U	F CAB I ASSY	Inc. No. 101~103
△ 101	LC31201-003A-U	POWER KNOB	(SERVICE)
102	AEM3149-001-E	SPRING	
103	LC21065-001A-U	CENTER PANEL	

EXPLODED VIEW (1)



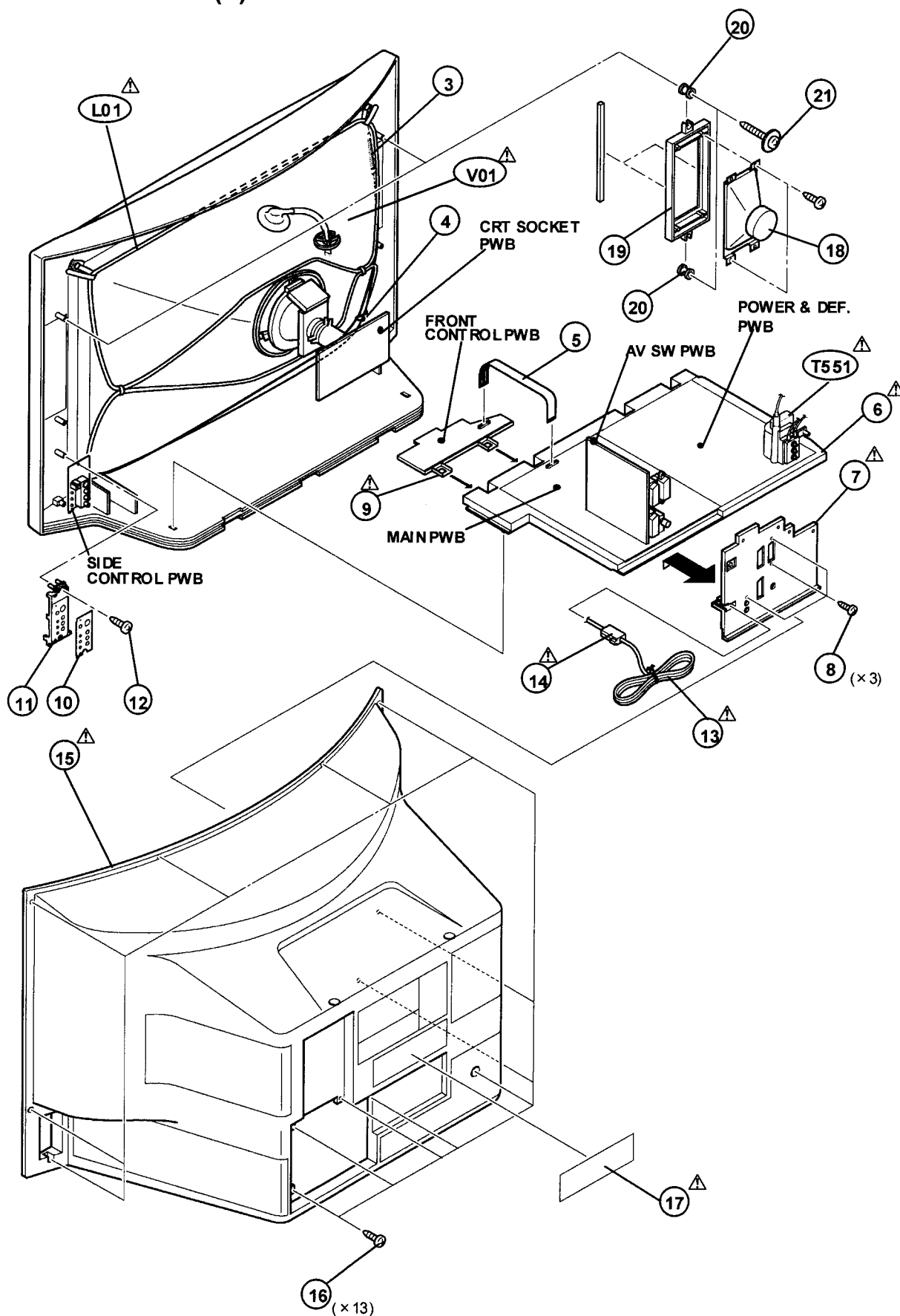
AV32T25EKS
AV32T55EKS
AV32T25EIS

EXPLODED VIEW PARTS LIST (2)

△ Ref.No.	Part No.	Part Name	Description
AV32T25EKS / AV32T55EKS			
△ V01	W760DD257X08	ITC	Inc. DY, PC MAGNET, WEDGE
△ L01	QQW0105-001	DEG COIL	
△ T551	QQH0130-001	FBT	
3	WJY0001-010A	E-BRAIDED ASSY	
4	WJY0013-002A	E-BRAIDED SUB ASSY	
5	CHFD119-14BD-N	FFC WIRE	CN-1
△ 6	LC10716-002F-U	CHASSIS BASE	
△ 7	LC11010-004A-U	AV BOARD	
8	QYSBSF3012M	TAP SCREW	(x3)
△ 9	LC11311-002A-U	CONTROL BASE	
10	LC31205-001B	CONTROL SHEET	
11	LC10856-001C-U	SIDE CONT BASE	
12	QYSBSAG4016N	TAP SCREW	
△ 13	QMPN130-185-JC	POWER CORD	CN-PW
△ 14	CM46618-A01-E	POWER CORD CLMP	
△ 15	LC11316-001A-U	REAR COVER	
16	QYSBSAG4016N	TAP SCREW	(x13)
△ 17	LC11364-004A-U	RATING LABEL	[AV32T25EKS]
△ 17	LC11364-014A-U	RATING LABEL	[AV32T55EKS]
18	QAS0109-001	SPEAKER	SP01-02 (x2)
19	LC11310-001A-U	SPEAKER ADAPTER	(x2)
20	LC40226-003A-H	SPACER	(x4)
21	LC40506-001A	TAP SCREW	(x4)

AV32T25EIS			
△ V01	W760DD257X08	ITC	Inc. DY, PC MAGNET, WEDGE
△ L01	QQW0105-001	DEG COIL	
△ T551	QQH0130-001	FBT	
3	WJY0001-010A	E-BRAIDED ASSY	
4	WJY0013-002A	E-BRAIDED SUB ASSY	
5	CHFD119-14BD-N	FFC WIRE	CN-1
△ 6	LC10716-002F-U	CHASSIS BASE	
△ 7	LC11010-004A-U	AV BOARD	
8	QYSBSF3012M	TAP SCREW	(x3)
△ 9	LC11311-002A-U	CONTROL BASE	
10	LC31205-001B	CONTROL SHEET	
11	LC10856-001C-U	SIDE CONT BASE	
12	QYSBSAG4016N	TAP SCREW	
△ 13	QMPN130-185-JC	POWER CORD	CN-PW
△ 14	CM46618-A01-E	POWER CORD CLMP	
△ 15	LC11316-001A-U	REAR COVER	
16	QYSBSAG4016N	TAP SCREW	(x13)
△ 17	LC11364-017A-U	RATING LABEL	
18	QAS0109-001	SPEAKER	SP01-02 (x2)
19	LC11310-001A-U	SPEAKER ADAPTER	(x2)
20	LC40226-003A-H	SPACER	(x4)
21	LC40506-001A	TAP SCREW	(x4)

EXPLODED VIEW (2)



AV32T25EKS / AV32T55EKS

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SJL-1004A-U2)

Symbol No.	Part No.	Part Name	Description
RESISTOR			
R002	NRSA63J-101X	MG R	100Ω 1/16W J
R003	NRSA63J-101X	MG R	100Ω 1/16W J
R006	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R007	NRSA63J-103X	MG R	10kΩ 1/16W J
R008	NRSA63J-103X	MG R	10kΩ 1/16W J
R011	NRSA63J-102X	MG R	1kΩ 1/16W J
R304	QRG01GJ-121	OM R	120Ω 1W J
R305	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R306	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R307	NRSA63J-102X	MG R	1kΩ 1/16W J
R308	NRSA63J-471X	MG R	470Ω 1/16W J
R309	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R310	NRSA63J-391X	MG R	390Ω 1/16W J
R311	NRSA63J-391X	MG R	390Ω 1/16W J
R312	NRSA63J-101X	MG R	100Ω 1/16W J
R313	NRSA63J-101X	MG R	100Ω 1/16W J
R314	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R316	NRSA63J-224X	MG R	220kΩ 1/16W J
R317	NRSA63J-101X	MG R	100Ω 1/16W J
R321	NRSA63J-102X	MG R	1kΩ 1/16W J
R327	NRSA63J-471X	MG R	470Ω 1/16W J
R330	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R331	NRSA63J-152X	MG R	1.5kΩ 1/16W J
R332	NRSA63J-332X	MG R	3.3kΩ 1/16W J
R333	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R335	NRSA63J-273X	MG R	27kΩ 1/16W J
R336	NRSA63J-103X	MG R	10kΩ 1/16W J
R337	NRSA63J-102X	MG R	1kΩ 1/16W J
R340	NRSA63J-103X	MG R	10kΩ 1/16W J
R341	NRSA63J-103X	MG R	10kΩ 1/16W J
R342	NRSA63J-152X	MG R	1.5kΩ 1/16W J
R344	NRSA63J-102X	MG R	1kΩ 1/16W J
R345	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R346	NRSA63J-333X	MG R	33kΩ 1/16W J
R401	NRSA63J-103X	MG R	10kΩ 1/16W J
R402	NRSA63J-103X	MG R	10kΩ 1/16W J
R403	NRSA63J-102X	MG R	1kΩ 1/16W J
R404	NRSA63J-183X	MG R	18kΩ 1/16W J
R405	NRSA63J-223X	MG R	22kΩ 1/16W J
R409	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
R411	NRSA63D-473X	MG R	47kΩ 1/16W D
R413	NRSA63D-223X	MG R	22kΩ 1/16W D
R414	NRSA63D-101X	MG R	100Ω 1/16W D
R415	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R416	NRSA63J-101X	MG R	100Ω 1/16W J
R417	NRSA63J-223X	MG R	22kΩ 1/16W J
R418	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R419	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R420	NRSA63J-123X	MG R	12kΩ 1/16W J
R502	NRSA63J-103X	MG R	10kΩ 1/16W J
R503	NRSA63J-104X	MG R	100kΩ 1/16W J
R504	NRSA63J-822X	MG R	8.2kΩ 1/16W J
R505	NRSA63J-221X	MG R	220Ω 1/16W J
R506	NRSA63J-221X	MG R	220Ω 1/16W J
R507	NRSA63J-102X	MG R	1kΩ 1/16W J
R508	NRSA63J-223X	MG R	22kΩ 1/16W J
R509	NRSA63J-223X	MG R	22kΩ 1/16W J
R511	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
R514	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R516	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R517	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R518	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R519	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R520	NRSA63J-152X	MG R	1.5kΩ 1/16W J
R551	QRK126J-100X	C R	10Ω 1/2W J
R552	NRSA63J-124X	MG R	120kΩ 1/16W J
R553	NRSA63J-683X	MG R	68kΩ 1/16W J
R554	NRSA63J-333X	MG R	33kΩ 1/16W J
R555	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R556	NRSA63J-154X	MG R	150kΩ 1/16W J

Symbol No.	Part No.	Part Name	Description
RESISTOR			
R557	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R558	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R560	NRSA63J-104X	MG R	100kΩ 1/16W J
R561	QRK121J-100Y	C R	10Ω 1/2W J
R571	NRSA63J-101X	MG R	100Ω 1/16W J
R572	NRSA63J-223X	MG R	22kΩ 1/16W J
R573	NRSA63J-821X	MG R	820Ω 1/16W J
R574	NRSA63J-333X	MG R	33kΩ 1/16W J
R625	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R626	NRSA63J-104X	MG R	100kΩ 1/16W J
R629	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R630	NRSA63J-104X	MG R	100kΩ 1/16W J
R631	NRSA63J-103X	MG R	10kΩ 1/16W J
R633	NRSA63J-103X	MG R	10kΩ 1/16W J
R637	NRSA63J-104X	MG R	100kΩ 1/16W J
R641	NRSA63J-103X	MG R	10kΩ 1/16W J
R642	NRSA63J-473X	MG R	47kΩ 1/16W J
R643	NRSA63J-822X	MG R	8.2kΩ 1/16W J
R644	NRSA63J-153X	MG R	15kΩ 1/16W J
R645	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R646	NRSA63J-273X	MG R	27kΩ 1/16W J
R647	NRSA63J-473X	MG R	47kΩ 1/16W J
R649	NRSA63J-101X	MG R	100Ω 1/16W J
R650	NRSA63J-101X	MG R	100Ω 1/16W J
R651	NRSA63J-123X	MG R	12kΩ 1/16W J
R671	NRSA63J-104X	MG R	100kΩ 1/16W J
R672	NRSA63J-681X	MG R	680Ω 1/16W J
R673	NRSA63J-681X	MG R	680Ω 1/16W J
R674	NRSA63J-103X	MG R	10kΩ 1/16W J
R675	NRSA63J-103X	MG R	10kΩ 1/16W J
R702	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R704	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R705	NRSA63J-103X	MG R	10kΩ 1/16W J
R707	NRSA63J-103X	MG R	10kΩ 1/16W J
R708	NRSA63J-103X	MG R	10kΩ 1/16W J
R709	NRSA63J-103X	MG R	10kΩ 1/16W J
R710	NRSA63J-103X	MG R	10kΩ 1/16W J
R712	NRSA63J-103X	MG R	10kΩ 1/16W J
R713	NRSA63J-103X	MG R	10kΩ 1/16W J
R714	NRSA63J-101X	MG R	100Ω 1/16W J
R715	NRSA63J-101X	MG R	100Ω 1/16W J
R716	NRSA63J-101X	MG R	100Ω 1/16W J
R717	NRSA63J-101X	MG R	100Ω 1/16W J
R718	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R719	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R720	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R721	NRSA63J-221X	MG R	220Ω 1/16W J
R722	NRSA63J-221X	MG R	220Ω 1/16W J
R723	NRSA63J-221X	MG R	220Ω 1/16W J
R724	NRSA63J-221X	MG R	220Ω 1/16W J
R725	NRSA63J-221X	MG R	220Ω 1/16W J
R726	NRSA63J-683X	MG R	68kΩ 1/16W J
R728	NRSA63J-101X	MG R	100Ω 1/16W J
R729	NRSA63J-101X	MG R	100Ω 1/16W J
R730	NRSA63J-183X	MG R	18kΩ 1/16W J
R731	NRSA63J-183X	MG R	18kΩ 1/16W J
R732	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R733	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R734	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R735	NRSA63J-223X	MG R	22kΩ 1/16W J
R736	NRSA63J-223X	MG R	22kΩ 1/16W J
R737	NRSA63J-103X	MG R	10kΩ 1/16W J
R738	NRSA63J-103X	MG R	10kΩ 1/16W J
R739	NRSA63J-473X	MG R	47kΩ 1/16W J
R740	NRSA63J-332X	MG R	3.3kΩ 1/16W J
R741	NRSA63J-101X	MG R	100Ω 1/16W J
R742	NRSA63J-223X	MG R	22kΩ 1/16W J
R743	NRSA63J-391X	MG R	390Ω 1/16W J
R744	NRSA63J-471X	MG R	470Ω 1/16W J
R745	NRSA63J-182X	MG R	1.8kΩ 1/16W J

Δ Symbol No. Part No. Part Name Description

RESISTOR

R746	NRSA63J-473X	MG R	47kΩ 1/16W J
R747	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R748	NRSA63J-153X	MG R	15kΩ 1/16W J
R749	NRSA63J-223X	MG R	22kΩ 1/16W J
R750	NRSA63J-473X	MG R	47kΩ 1/16W J
R751	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R752	NRSA63J-103X	MG R	10kΩ 1/16W J
R753	NRSA63J-223X	MG R	22kΩ 1/16W J
R757	NRSA63J-102X	MG R	1kΩ 1/16W J
R758	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
R759	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
R760	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
R761	NRSA63J-473X	MG R	47kΩ 1/16W J
R762	NRSA63J-473X	MG R	47kΩ 1/16W J
R763	NRSA63J-823X	MG R	82kΩ 1/16W J
R764	NRSA63J-104X	MG R	100kΩ 1/16W J
R765	NRSA63J-103X	MG R	10kΩ 1/16W J
R766	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R767	NRSA63J-103X	MG R	10kΩ 1/16W J
R768	NRSA63J-103X	MG R	10kΩ 1/16W J
R769	NRSA63J-183X	MG R	18kΩ 1/16W J
R770	NRSA63J-183X	MG R	18kΩ 1/16W J
R771	NRSA63J-102X	MG R	1kΩ 1/16W J
R772	NRSA63J-104X	MG R	100kΩ 1/16W J
R773	NRSA63J-221X	MG R	220Ω 1/16W J
R774	NRSA63J-473X	MG R	47kΩ 1/16W J
R775	NRSA63J-102X	MG R	1kΩ 1/16W J
R776	NRSA63J-473X	MG R	47kΩ 1/16W J
R777	NRSA63J-102X	MG R	1kΩ 1/16W J
R778	NRSA63J-152X	MG R	1.5kΩ 1/16W J
R779	NRSA63J-273X	MG R	27kΩ 1/16W J
R780	NRSA63J-103X	MG R	10kΩ 1/16W J
R781	NRSA63J-103X	MG R	10kΩ 1/16W J
R782	NRSA63J-103X	MG R	10kΩ 1/16W J
R783	NRSA63J-103X	MG R	10kΩ 1/16W J
R784	NRSA63J-333X	MG R	33kΩ 1/16W J
R785	NRSA63J-184X	MG R	180kΩ 1/16W J
R787	NRSA63J-333X	MG R	33kΩ 1/16W J
R788	NRSA63J-332X	MG R	3.3kΩ 1/16W J
R789	NRSA63J-103X	MG R	10kΩ 1/16W J
R790	NRSA63J-102X	MG R	1kΩ 1/16W J
R791	NRSA63J-152X	MG R	1.5kΩ 1/16W J
R792	NRSA63J-103X	MG R	10kΩ 1/16W J
R793	NRSA63J-102X	MG R	1kΩ 1/16W J

CAPACITOR

C001	NCB3LHK-222X	C CAP.	2200pF 50V K
C002	QETNLMH-106Z	E CAP.	10μF 50V M
C004	NCB3LCK-104X	C CAP.	0.1μF 16V K
C005	QETNLCM-108Z	E CAP.	1000μF 16V M
C006	NCB3LHK-103X	C CAP.	0.01μF 50V K
C007	QETNLMH-106Z	E CAP.	10μF 50V M
C008	NCB3LCK-104X	C CAP.	0.1μF 16V K
C009	QETNLMH-106Z	E CAP.	10μF 50V M
C011	QETNLMH-106Z	E CAP.	10μF 50V M
C012	NCB3LHK-103X	C CAP.	0.01μF 50V K
C013	NCB3LHK-103X	C CAP.	0.01μF 50V K
C301	NCB3LCK-104X	C CAP.	0.1μF 16V K
C302	NCB3LCK-683X	C CAP.	0.08μF 16V K
C303	QETNLEM-476Z	E CAP.	47μF 25V M
C304	NCB3LHK-103X	C CAP.	0.01μF 50V K
C305	QETNLCM-107Z	E CAP.	100μF 16V M
C306	NCB3LHK-103X	C CAP.	0.01μF 50V K
C307	QETNLCM-477Z	E CAP.	470μF 16V M
C308	NDC3LHJ-120X	C CAP.	12pF 50V J
C309	QETNLMH-475Z	E CAP.	4.7μF 50V M
C310	NCB3LHK-103X	C CAP.	0.01μF 50V K
C311	QETNLMH-106Z	E CAP.	10μF 50V M
C312	NDC3LHJ-680X	C CAP.	68pF 50V J
C313	QETNLCM-107Z	E CAP.	100μF 16V M
C314	NCB3LHK-103X	C CAP.	0.01μF 50V K
C315	QETNLMH-106Z	E CAP.	10μF 50V M
C319	QETNLCM-107Z	E CAP.	100μF 16V M
C320	NCB3LHK-103X	C CAP.	0.01μF 50V K
C321	NCB3LCK-104X	C CAP.	0.1μF 16V K
C322	NCB3LCK-104X	C CAP.	0.1μF 16V K

Δ Symbol No. Part No. Part Name Description

CAPACITOR

C323	NCB3LCK-104X	C CAP.	0.1μF 16V K
C324	QETNLMH-105Z	E CAP.	1.0μF 50V M
C325	QETNLMH-105Z	E CAP.	1.0μF 50V M
C326	QETNLMH-105Z	E CAP.	1.0μF 50V M
C327	QETNLMH-475Z	E CAP.	4.7μF 50V M
C328	QETNLEM-476Z	E CAP.	47μF 25V M
C329	NDC3LHJ-390X	C CAP.	39pF 50V J
C330	NDC3LHJ-390X	C CAP.	39pF 50V J
C331	QETNLMH-105Z	E CAP.	1.0μF 50V M
C332	NCB3LHK-103X	C CAP.	0.01μF 50V K
C333	NCB3LEK-104X	C CAP.	0.1μF 25V K
C334	QETNLMH-106Z	E CAP.	10μF 50V M
C401	QETNLMH-105Z	E CAP.	1.0μF 50V M
C403	NCB3LHK-103X	C CAP.	0.01μF 50V K
C404	NCB3LHK-103X	C CAP.	0.01μF 50V K
C405	NCB3LHK-103X	C CAP.	0.01μF 50V K
C406	QFVFLHJ-184Z	MF CAP.	0.18μF 50V J
C407	QFVFLHJ-824Z	MF CAP.	0.82μF 50V J
C408	NCB3LHK-153X	C CAP.	0.015μF 50V K
C501	QETNLCM-107Z	E CAP.	100μF 16V M
C502	NCB3LHK-103X	C CAP.	0.01μF 50V K
C503	NCB3LHK-103X	C CAP.	0.01μF 50V K
C504	NCB3LHK-103X	C CAP.	0.01μF 50V K
C505	NCB3LHK-332X	C CAP.	3300pF 50V K
C506	QETNLMH-335Z	E CAP.	3.3μF 50V M
C507	NCB3LHK-103X	C CAP.	0.01μF 50V K
C508	QETNLCM-108Z	E CAP.	1000μF 16V M
C509	QFLCLHJ-823Z	M CAP.	0.08μF 50V J
C510	NCB3LHK-103X	C CAP.	0.01μF 50V K
C511	NCB3LHK-103X	C CAP.	0.01μF 50V K
C512	QTNLMH-105Z	E CAP.	1.0μF 50V M
C513	QETNLCM-228Z	E CAP.	2200μF 16V M
C514	NCB3LHK-103X	C CAP.	0.01μF 50V K
C515	QFVFLHJ-394Z	MF CAP.	0.39μF 50V J
C516	NCB3LHK-103X	C CAP.	0.01μF 50V K
C551	NCF3LCZ-224X	C CAP.	0.22μF 16V Z
C552	NCF3LCZ-224X	C CAP.	0.22μF 16V Z
C553	QETNLEM-476Z	E CAP.	47μF 25V M
C554	NCF3LCZ-224X	C CAP.	0.22μF 16V Z
C555	NCF3LCZ-224X	C CAP.	0.22μF 16V Z
C571	NCB3LHK-103X	C CAP.	0.01μF 50V K
C617	QETNLMH-106Z	E CAP.	10μF 50V M
C619	QETNLMH-106Z	E CAP.	10μF 50V M
C620	QETNLMH-107Z	E CAP.	100μF 50V M
C621	QETNLMH-228	E CAP.	2200μF 35V M
C628	QETNLEM-108Z	E CAP.	1000μF 25V M
C630	QETNLEM-108Z	E CAP.	1000μF 25V M
C632	QETNLMH-106Z	E CAP.	10μF 50V M
C633	QETNLMH-106Z	E CAP.	10μF 50V M
C634	QETNLCM-227Z	E CAP.	220μF 16V M
C637	QETNLCM-227Z	E CAP.	220μF 16V M
C638	QETNLMH-106Z	E CAP.	10μF 50V M
C639	QETNLMH-106Z	E CAP.	10μF 50V M
C640	QETNLMH-106Z	E CAP.	10μF 50V M
C641	QETNLMH-106Z	E CAP.	10μF 50V M
C642	QETNLMH-106Z	E CAP.	10μF 50V M
C643	QETNLMH-106Z	E CAP.	10μF 50V M
C644	QETNLCM-107Z	E CAP.	100μF 16V M
C645	QETNLMH-105Z	E CAP.	1.0μF 50V M
C646	QETNLMH-106Z	E CAP.	10μF 50V M
C647	NCB3LHK-272X	C CAP.	2700pF 50V K
C648	NCB3LHK-472X	C CAP.	4700pF 50V K
C671	QETNLMH-106Z	E CAP.	10μF 50V M
C672	QETNLMH-106Z	E CAP.	10μF 50V M
C673	NCB3LHK-222X	C CAP.	2200pF 50V K
C674	NCB3LHK-222X	C CAP.	2200pF 50V K
C675	QETNLCM-107Z	E CAP.	100μF 16V M
C676	NCB3LCK-104X	C CAP.	0.1μF 16V K
C677	NCB3LCK-104X	C CAP.	0.1μF 16V K
C702	NCB3LHK-103X	C CAP.	0.01μF 50V K
C703	QETNLMH-477Z	E CAP.	470μF 35V M
C704	NCB3LCK-104X	C CAP.	0.1μF 16V K
C705	NCB3LCK-104X	C CAP.	0.1μF 16V K
C706	QETNLCM-227Z	E CAP.	220μF 10V M
C707	NCB3LCK-104X	C CAP.	0.1μF 16V K
C708	QETNLCM-107Z	E CAP.	100μF 10V M
C709	NCB3LCK-104X	C CAP.	0.1μF 16V K

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AV32T55EKS

Symbol No.	Part No.	Part Name	Description
CAPACITOR			
C710	QETN1AM-107Z	E CAP.	100pF 10V M
C711	QETN1AM-227Z	E CAP.	220pF 10V M
C712	QETN1AM-227Z	E CAP.	220pF 10V M
C713	NCB31CK-104X	C CAP.	0.1pF 16V K
C714	NCB31CK-104X	C CAP.	0.1pF 16V K
C715	NCB31HJ-561X	C CAP.	560pF 50V J
C716	NCB31CK-104X	C CAP.	0.1pF 16V K
C717	NCB31CK-104X	C CAP.	0.1pF 16V K
C718	QENC1EM-106Z	BP E CAP.	10pF 25V M
C721	QETN1HM-105Z	E CAP.	1.0pF 50V M
C722	QETN1HM-106Z	E CAP.	10pF 50V M
C723	QETN1HM-106Z	E CAP.	10pF 50V M
C724	QETN1HM-106Z	E CAP.	10pF 50V M
C725	NCB31CK-104X	C CAP.	0.1pF 16V K
C726	NCB31CK-104X	C CAP.	0.1pF 16V K
C727	NCB31CK-104X	C CAP.	0.1pF 16V K
C728	NCB31CK-104X	C CAP.	0.1pF 16V K
C729	NCB31EK-333X	C CAP.	0.033pF 25V K
C730	NCB31HJ-151X	C CAP.	150pF 50V J
C732	NCB31HJ-330X	C CAP.	33pF 50V J
C733	NCB31HJ-390X	C CAP.	39pF 50V J
C734	NCB31CK-104X	C CAP.	0.1pF 16V K
C735	NCB31EK-333X	C CAP.	0.033pF 25V K
C736	NCB31HK-102X	C CAP.	100pF 50V K
C737	NCB31CK-104X	C CAP.	0.1pF 16V K
C738	NCB31HJ-151X	C CAP.	150pF 50V J
C739	NCF31AZ-105X	C CAP.	1pF 10V Z
C740	NCB31HJ-561X	C CAP.	560pF 50V J
C741	QETN1HM-105Z	E CAP.	1.0pF 50V M
C742	QETN1HM-105Z	E CAP.	1.0pF 50V M
COIL			
L001	QQL244K-270Z	INDUCTOR	
L002	QQL244K-100Z	COIL	10pH K
L003	QQL244K-100Z	COIL	10pH K
L301	QQL244K-4R7Z	COIL	4.7pH K
L302	QQL244K-4R7Z	COIL	4.7pH K
L305	QQL244K-4R7Z	COIL	4.7pH K
L306	QQL244K-330Z	COIL	33pH K
L501	QQL244J-151Z	INDUCTOR	
L671	NQL085J-100X	INDUCTOR	
L672	NQL085J-100X	INDUCTOR	
L701	QQL244K-4R7Z	COIL	4.7pH K
L702	QQL244K-4R7Z	COIL	4.7pH K
L703	QQL244K-4R7Z	COIL	4.7pH K
L704	QQL244K-4R7Z	COIL	4.7pH K
L705	QQL244K-4R7Z	COIL	4.7pH K
L706	QQL244K-4R7Z	COIL	4.7pH K
L707	QQL244K-8R2Z	COIL	8.2pH K
L708	QQL244K-4R7Z	COIL	4.7pH K
DIODE			
D301	MA3051/M/-X	Z DIODE	
D302	MA111-X	SI DIODE	
D303	MA111-X	SI DIODE	
D304	MA111-X	SI DIODE	
D503	AK04-T2	SB DIODE	
D611	MA3330/L/-X	Z DIODE	
D613	MA3330/L/-X	Z DIODE	
D616	MA111-X	SI DIODE	
D617	MA111-X	SI DIODE	
D618	MA111-X	SI DIODE	
D619	MA111-X	SI DIODE	
D620	MA111-X	SI DIODE	
D621	MA111-X	SI DIODE	
D702	MA111-X	SI DIODE	
D703	MA111-X	SI DIODE	
D704	MA3068/M/-X	Z DIODE	
D705	MA111-X	SI DIODE	
TRANSISTOR			
Q002	2SC2412K/QR/-X	TRANSISTOR	
Q301	2SA1037AK/QR/-X	TRANSISTOR	
Q302	2SA1037AK/QR/-X	TRANSISTOR	
Q308	DTC124EKA-X	DIGI TRANSISTOR	
Q309	2SC2412K/QR/-X	TRANSISTOR	
Q311	DTC124EKA-X	DIGI TRANSISTOR	

Symbol No.	Part No.	Part Name	Description
TRANSISTOR			
Q312	2SA1037AK/QR/-X	TRANSISTOR	
Q401	DTC124EKA-X	DIGI TRANSISTOR	
Q402	2SC2412K/QR/-X	TRANSISTOR	
Q611	2SA1037AK/QR/-X	TRANSISTOR	
Q612	DTC124EKA-X	DIGI TRANSISTOR	
Q614	DTC124EKA-X	DIGI TRANSISTOR	
Q617	DTC124EKA-X	DIGI TRANSISTOR	
Q618	2SC2412K/QR/-X	TRANSISTOR	
Q619	DTC124EKA-X	DIGI TRANSISTOR	
Q620	2SA1037AK/QR/-X	TRANSISTOR	
Q671	2SA1037AK/QR/-X	TRANSISTOR	
Q672	DTC323TK-X	DIGI TRANSISTOR	
Q673	DTC323TK-X	DIGI TRANSISTOR	
Q701	DTC124EKA-X	DIGI TRANSISTOR	
Q702	2SC2412K/QR/-X	TRANSISTOR	
Q703	2SC2412K/QR/-X	TRANSISTOR	
Q704	2SC2412K/QR/-X	TRANSISTOR	
Q705	2SA1037AK/QR/-X	TRANSISTOR	
Q706	2SC2412K/QR/-X	TRANSISTOR	
Q707	2SA1037AK/QR/-X	TRANSISTOR	
Q708	2SC2412K/QR/-X	TRANSISTOR	
Q709	2SC2412K/QR/-X	TRANSISTOR	
Q710	2SC2412K/QR/-X	TRANSISTOR	
Q711	2SC2412K/QR/-X	TRANSISTOR	
Q712	2SC2412K/QR/-X	TRANSISTOR	
Q713	2SA1037AK/QR/-X	TRANSISTOR	
IC			
IC301	TB1227CN	IC	
IC302	AN5800	I C	
IC501	AN5411SA-W	IC	
IC551	LA6515	I C	
IC602	AN5277	IC	
IC608	NJM2701-X	I C	
IC671	BA05T	IC	
IC701	SDA555XFL	IC (MICRO C ROM)	
IC702	AT24C16-28T25EK	IC	(SERVICE)
IC708	JLC1562BF-X	I C	
IC704	BA17805T	IC	
IC705	MM1478DF-X	IC	
IC706	R1170H2518-X	IC	
OTHERS			
	CEMS009-052	IC SOCKET	
	CEMS007-008	IC SOCKET	
CN001	QGF1220C2-19	FFC/FPC CONNE	
CN003	QGB1506L1-16	B TO B CONNE	
CN004	QGB1506L1-16	B TO B CONNE	
CN005	QGB1506L1-16	B TO B CONNE	
CN006	QGB1505J1-50	B TO B CONNE	
CN008	OGA2501C5-08Z	W TO B CONNE	
CN016	OGA2501C5-05Z	W TO B CONNE	
K307	QOR0621-002Z	FERRITE BEADS	
LC301	CE42L42-222Z	EMI FILTER	
TU001	QAU077-001	TUNER	
X301	QAX005-001Z	CRYSTAL	
X701	QAX069-001Z	CRYSTAL	

AV32T25EIS

■ MAIN P.W. BOARD ASS'Y (SJL-1007A-U2)

Symbol No.	Part No.	Part Name	Description
RESISTOR			
R002	NRSA63J-101X	MG R	100Ω 1/16W J
R003	NRSA63J-101X	MG R	100Ω 1/16W J
R004	NRSA63J-101X	MG R	100Ω 1/16W J
R005	NRSA63J-101X	MG R	100Ω 1/16W J
R006	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
R007	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R008	NRSA63J-102X	MG R	1kΩ 1/16W J
R009	NRSA63J-561X	MG R	560Ω 1/16W J
R010	NRSA63J-331X	MG R	330Ω 1/16W J
R011	NRSA63J-102X	MG R	1kΩ 1/16W J
R304	QRG0LGJ-121	OM R	120Ω 1/2W J
R305	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R306	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R307	NRSA63J-102X	MG R	1kΩ 1/16W J
R308	NRSA63J-471X	MG R	470Ω 1/16W J
R309	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R310	NRSA63J-391X	MG R	390Ω 1/16W J
R311	NRSA63J-391X	MG R	390Ω 1/16W J
R312	NRSA63J-101X	MG R	100Ω 1/16W J
R313	NRSA63J-101X	MG R	100Ω 1/16W J
R314	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R316	NRSA63J-224X	MG R	220kΩ 1/16W J
R317	NRSA63J-101X	MG R	100Ω 1/16W J
R321	NRSA63J-102X	MG R	1kΩ 1/16W J
R327	NRSA63J-471X	MG R	470Ω 1/16W J
R330	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R331	NRSA63J-152X	MG R	1.5kΩ 1/16W J
R332	NRSA63J-332X	MG R	3.3kΩ 1/16W J
R333	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R335	NRSA63J-273X	MG R	27kΩ 1/16W J
R336	NRSA63J-103X	MG R	10kΩ 1/16W J
R337	NRSA63J-102X	MG R	1kΩ 1/16W J
R340	NRSA63J-103X	MG R	10kΩ 1/16W J
R341	NRSA63J-103X	MG R	10kΩ 1/16W J
R342	NRSA63J-152X	MG R	1.5kΩ 1/16W J
R344	NRSA63J-102X	MG R	1kΩ 1/16W J
R345	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R346	NRSA63J-333X	MG R	33kΩ 1/16W J
R401	NRSA63J-103X	MG R	10kΩ 1/16W J
R402	NRSA63J-103X	MG R	10kΩ 1/16W J
R403	NRSA63J-102X	MG R	1kΩ 1/16W J
R404	NRSA63J-183X	MG R	18kΩ 1/16W J
R405	NRSA63J-223X	MG R	22kΩ 1/16W J
R409	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
R411	NRSA63D-473X	MG R	47kΩ 1/16W D
R413	NRSA63D-223X	MG R	22kΩ 1/16W D
R414	NRSA63D-101X	MG R	100Ω 1/16W D
R415	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R416	NRSA63J-101X	MG R	100Ω 1/16W J
R417	NRSA63J-223X	MG R	22kΩ 1/16W J
R418	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R419	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R420	NRSA63J-123X	MG R	12kΩ 1/16W J
R502	NRSA63J-103X	MG R	10kΩ 1/16W J
R503	NRSA63J-104X	MG R	100kΩ 1/16W J
R504	NRSA63J-822X	MG R	8.2kΩ 1/16W J
R505	NRSA63J-221X	MG R	220Ω 1/16W J
R506	NRSA63J-221X	MG R	220Ω 1/16W J
R507	NRSA63J-102X	MG R	1kΩ 1/16W J
R508	NRSA63J-223X	MG R	22kΩ 1/16W J
R509	NRSA63J-223X	MG R	22kΩ 1/16W J
R511	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
R514	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R516	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R517	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R518	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R519	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R520	NRSA63J-152X	MG R	1.5kΩ 1/16W J
R551	QRK126J-100X	C R	10Ω 1/2W J
R552	NRSA63J-124X	MG R	120kΩ 1/16W J
R553	NRSA63J-683X	MG R	68kΩ 1/16W J
R554	NRSA63J-333X	MG R	33kΩ 1/16W J
R555	NRSA63J-472X	MG R	4.7kΩ 1/16W J

Symbol No.	Part No.	Part Name	Description
RESISTOR			
R556	NRSA63J-154X	MG R	150kΩ 1/16W J
R557	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R558	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R560	NRSA63J-104X	MG R	100kΩ 1/16W J
R561	QRE121J-100Y	C R	10Ω 1/2W J
R571	NRSA63J-101X	MG R	100Ω 1/16W J
R572	NRSA63J-223X	MG R	22kΩ 1/16W J
R573	NRSA63J-821X	MG R	82Ω 1/16W J
R574	NRSA63J-333X	MG R	33kΩ 1/16W J
R625	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R626	NRSA63J-104X	MG R	100kΩ 1/16W J
R629	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R630	NRSA63J-104X	MG R	100kΩ 1/16W J
R631	NRSA63J-103X	MG R	10kΩ 1/16W J
R633	NRSA63J-103X	MG R	10kΩ 1/16W J
R637	NRSA63J-104X	MG R	100kΩ 1/16W J
R641	NRSA63J-103X	MG R	10kΩ 1/16W J
R642	NRSA63J-473X	MG R	47kΩ 1/16W J
R643	NRSA63J-822X	MG R	8.2kΩ 1/16W J
R644	NRSA63J-153X	MG R	15kΩ 1/16W J
R645	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R646	NRSA63J-273X	MG R	27kΩ 1/16W J
R647	NRSA63J-473X	MG R	47kΩ 1/16W J
R649	NRSA63J-101X	MG R	100Ω 1/16W J
R650	NRSA63J-101X	MG R	100Ω 1/16W J
R651	NRSA63J-123X	MG R	12kΩ 1/16W J
R671	NRSA63J-104X	MG R	100kΩ 1/16W J
R672	NRSA63J-681X	MG R	68kΩ 1/16W J
R673	NRSA63J-681X	MG R	68kΩ 1/16W J
R674	NRSA63J-103X	MG R	10kΩ 1/16W J
R675	NRSA63J-103X	MG R	10kΩ 1/16W J
R702	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R704	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R705	NRSA63J-103X	MG R	10kΩ 1/16W J
R707	NRSA63J-103X	MG R	10kΩ 1/16W J
R708	NRSA63J-103X	MG R	10kΩ 1/16W J
R709	NRSA63J-103X	MG R	10kΩ 1/16W J
R710	NRSA63J-103X	MG R	10kΩ 1/16W J
R712	NRSA63J-103X	MG R	10kΩ 1/16W J
R713	NRSA63J-103X	MG R	10kΩ 1/16W J
R714	NRSA63J-101X	MG R	100Ω 1/16W J
R715	NRSA63J-101X	MG R	100Ω 1/16W J
R716	NRSA63J-101X	MG R	100Ω 1/16W J
R717	NRSA63J-101X	MG R	100Ω 1/16W J
R718	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R719	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R720	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R721	NRSA63J-221X	MG R	220Ω 1/16W J
R722	NRSA63J-221X	MG R	220Ω 1/16W J
R723	NRSA63J-221X	MG R	220Ω 1/16W J
R724	NRSA63J-221X	MG R	220Ω 1/16W J
R725	NRSA63J-221X	MG R	220Ω 1/16W J
R726	NRSA63J-683X	MG R	68kΩ 1/16W J
R728	NRSA63J-101X	MG R	100Ω 1/16W J
R729	NRSA63J-101X	MG R	100Ω 1/16W J
R730	NRSA63J-183X	MG R	18kΩ 1/16W J
R731	NRSA63J-183X	MG R	18kΩ 1/16W J
R732	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R733	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R734	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R735	NRSA63J-223X	MG R	22kΩ 1/16W J
R736	NRSA63J-223X	MG R	22kΩ 1/16W J
R737	NRSA63J-103X	MG R	10kΩ 1/16W J
R738	NRSA63J-103X	MG R	10kΩ 1/16W J
R739	NRSA63J-473X	MG R	47kΩ 1/16W J
R740	NRSA63J-332X	MG R	3.3kΩ 1/16W J
R741	NRSA63J-101X	MG R	100Ω 1/16W J
R742	NRSA63J-223X	MG R	22kΩ 1/16W J
R743	NRSA63J-391X	MG R	390Ω 1/16W J
R744	NRSA63J-471X	MG R	470Ω 1/16W J
R745	NRSA63J-182X	MG R	1.8kΩ 1/16W J
R746	NRSA63J-473X	MG R	47kΩ 1/16W J
R747	NRSA63J-682X	MG R	6.8kΩ 1/16W J

△ Symbol No. Part No. Part Name Description

RESISTOR

R748	NRSA63J-153X	MG R	15kΩ 1/16W J
R749	NRSA63J-223X	MG R	22kΩ 1/16W J
R750	NRSA63J-473X	MG R	47kΩ 1/16W J
R751	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R752	NRSA63J-103X	MG R	10kΩ 1/16W J
R753	NRSA63J-223X	MG R	22kΩ 1/16W J
R757	NRSA63J-102X	MG R	1kΩ 1/16W J
R758	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
R759	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
R760	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
R763	NRSA63J-823X	MG R	82kΩ 1/16W J
R764	NRSA63J-104X	MG R	100kΩ 1/16W J
R765	NRSA63J-103X	MG R	10kΩ 1/16W J
R766	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R767	NRSA63J-103X	MG R	10kΩ 1/16W J
R768	NRSA63J-103X	MG R	10kΩ 1/16W J
R769	NRSA63J-183X	MG R	18kΩ 1/16W J
R770	NRSA63J-183X	MG R	18kΩ 1/16W J
R771	NRSA63J-102X	MG R	1kΩ 1/16W J
R772	NRSA63J-104X	MG R	100kΩ 1/16W J
R773	NRSA63J-221X	MG R	220Ω 1/16W J
R774	NRSA63J-473X	MG R	47kΩ 1/16W J
R775	NRSA63J-102X	MG R	1kΩ 1/16W J
R776	NRSA63J-473X	MG R	47kΩ 1/16W J
R777	NRSA63J-102X	MG R	1kΩ 1/16W J
R778	NRSA63J-152X	MG R	1.5kΩ 1/16W J
R779	NRSA63J-273X	MG R	27kΩ 1/16W J
R780	NRSA63J-103X	MG R	10kΩ 1/16W J
R781	NRSA63J-103X	MG R	10kΩ 1/16W J
R782	NRSA63J-103X	MG R	10kΩ 1/16W J
R783	NRSA63J-103X	MG R	10kΩ 1/16W J
R784	NRSA63J-333X	MG R	33kΩ 1/16W J
R785	NRSA63J-184X	MG R	180kΩ 1/16W J
R787	NRSA63J-333X	MG R	33kΩ 1/16W J
R788	NRSA63J-332X	MG R	3.3kΩ 1/16W J
R789	NRSA63J-103X	MG R	10kΩ 1/16W J
R790	NRSA63J-102X	MG R	1kΩ 1/16W J
R791	NRSA63J-152X	MG R	1.5kΩ 1/16W J
R792	NRSA63J-103X	MG R	10kΩ 1/16W J
R793	NRSA63J-102X	MG R	1kΩ 1/16W J

CAPACITOR

C001	NCB3LHK-222X	C CAP.	2200pF 50V K
C002	QETNLEM-106Z	E CAP.	10μF 50V M
C004	NCB3LCK-104X	C CAP.	0.1μF 16V K
C005	QETNLCM-108Z	E CAP.	1000pF 16V M
C006	NCB3LHK-103X	C CAP.	0.01μF 50V K
C007	QETNLEM-106Z	E CAP.	10μF 50V M
C008	NCB3LCK-104X	C CAP.	0.1μF 16V K
C009	QETNLEM-106Z	E CAP.	10μF 50V M
C010	NCF3LAZ-105X	C CAP.	1μF 10V Z
C011	QETNLEM-106Z	E CAP.	10μF 50V M
C012	NCB3LHK-103X	C CAP.	0.01μF 50V K
C013	NCB3LHK-103X	C CAP.	0.01μF 50V K
C301	NCB3LCK-104X	C CAP.	0.1μF 16V K
C302	NCB3LCK-683X	C CAP.	0.068μF 16V K
C303	QETNLEM-476Z	E CAP.	47μF 25V M
C304	NCB3LHK-103X	C CAP.	0.01μF 50V K
C305	QETNLCM-107Z	E CAP.	100μF 16V M
C306	NCB3LHK-103X	C CAP.	0.01μF 50V K
C307	QETNLCM-477Z	E CAP.	470μF 16V M
C308	NDC3LHJ-120X	C CAP.	120pF 50V J
C309	QETNLEM-475Z	E CAP.	4.7μF 50V M
C310	NCB3LHK-103X	C CAP.	0.01μF 50V K
C311	QETNLEM-106Z	E CAP.	10μF 50V M
C312	NDC3LHJ-680X	C CAP.	680pF 50V J
C313	QETNLCM-107Z	E CAP.	100μF 16V M
C314	NCB3LHK-103X	C CAP.	0.01μF 50V K
C315	QETNLEM-106Z	E CAP.	10μF 50V M
C319	QETNLCM-107Z	E CAP.	100μF 16V M
C320	NCB3LHK-103X	C CAP.	0.01μF 50V K
C321	NCB3LCK-104X	C CAP.	0.1μF 16V K
C322	NCB3LCK-104X	C CAP.	0.1μF 16V K
C323	NCB3LCK-104X	C CAP.	0.1μF 16V K
C324	QETNLEM-105Z	E CAP.	1.0μF 50V M
C325	QETNLEM-105Z	E CAP.	1.0μF 50V M
C326	QETNLEM-105Z	E CAP.	1.0μF 50V M

△ Symbol No. Part No. Part Name Description

CAPACITOR

C327	QETNLEM-475Z	E CAP.	4.7μF 50V M
C328	QETNLEM-476Z	E CAP.	47μF 25V M
C329	NDC3LHJ-390X	C CAP.	39pF 50V J
C330	NDC3LHJ-390X	C CAP.	39pF 50V J
C331	QETNLEM-105Z	E CAP.	1.0μF 50V M
C332	NCB3LHK-103X	C CAP.	0.01μF 50V K
C333	NCB3LEK-104X	C CAP.	0.1μF 25V K
C334	QETNLEM-106Z	E CAP.	10μF 50V M
C401	QETNLEM-105Z	E CAP.	1.0μF 50V M
C403	NCB3LHK-103X	C CAP.	0.01μF 50V K
C404	NCB3LHK-103X	C CAP.	0.01μF 50V K
C405	NCB3LHK-103X	C CAP.	0.01μF 50V K
C406	QFVFLHJ-184Z	MF CAP.	0.18μF 50V J
C407	QFVFLHJ-824Z	MF CAP.	0.82μF 50V J
C408	NCB3LHK-153X	C CAP.	0.015μF 50V K
C501	QETNLCM-107Z	E CAP.	100μF 16V M
C502	NCB3LHK-103X	C CAP.	0.01μF 50V K
C503	NCB3LHK-103X	C CAP.	0.01μF 50V K
C504	NCB3LHK-103X	C CAP.	0.01μF 50V K
C505	NCB3LHK-332X	C CAP.	3300pF 50V K
C506	QETNLEM-335Z	E CAP.	3.3μF 50V M
C507	NCB3LHK-103X	C CAP.	0.01μF 50V K
C508	QETNLCM-108Z	E CAP.	1000pF 16V M
C509	QFLCLHJ-823Z	M CAP.	0.082μF 50V J
C510	NCB3LHK-103X	C CAP.	0.01μF 50V K
C511	NCB3LHK-103X	C CAP.	0.01μF 50V K
C512	QETNLEM-105Z	E CAP.	1.0μF 50V M
C513	QETNLCM-228Z	E CAP.	2200pF 16V M
C514	NCB3LHK-103X	C CAP.	0.01μF 50V K
C515	QFVFLHJ-394Z	MF CAP.	0.39μF 50V J
C516	NCB3LHK-103X	C CAP.	0.01μF 50V K
C551	NCF3LCZ-224X	C CAP.	0.22μF 16V Z
C552	NCF3LCZ-224X	C CAP.	0.22μF 16V Z
C553	QETNLEM-476Z	E CAP.	47μF 25V M
C554	NCF3LCZ-224X	C CAP.	0.22μF 16V Z
C555	NCF3LCZ-224X	C CAP.	0.22μF 16V Z
C571	NCB3LHK-103X	C CAP.	0.01μF 50V K
C617	QETNLEM-106Z	E CAP.	10μF 50V M
C619	QETNLEM-106Z	E CAP.	10μF 50V M
C620	QETNLEM-107Z	E CAP.	100μF 50V M
C621	QETNLEM-228	E CAP.	2200pF 35V M
C628	QETNLEM-108Z	E CAP.	1000pF 25V M
C630	QETNLEM-108Z	E CAP.	1000pF 25V M
C632	QETNLEM-106Z	E CAP.	10μF 50V M
C633	QETNLEM-106Z	E CAP.	10μF 50V M
C634	QETNLCM-227Z	E CAP.	2200pF 16V M
C637	QETNLCM-227Z	E CAP.	2200pF 16V M
C638	QETNLEM-106Z	E CAP.	10μF 50V M
C639	QETNLEM-106Z	E CAP.	10μF 50V M
C640	QETNLEM-106Z	E CAP.	10μF 50V M
C641	QETNLEM-106Z	E CAP.	10μF 50V M
C642	QETNLEM-106Z	E CAP.	10μF 50V M
C643	QETNLEM-106Z	E CAP.	10μF 50V M
C644	QETNLCM-107Z	E CAP.	100μF 16V M
C645	QETNLEM-105Z	E CAP.	1.0μF 50V M
C646	QETNLEM-106Z	E CAP.	10μF 50V M
C647	NCB3LHK-272X	C CAP.	2700pF 50V K
C648	NCB3LHK-472X	C CAP.	4700pF 50V K
C671	QETNLEM-106Z	E CAP.	10μF 50V M
C672	QETNLEM-106Z	E CAP.	10μF 50V M
C673	NCB3LHK-222X	C CAP.	2200pF 50V K
C674	NCB3LHK-222X	C CAP.	2200pF 50V K
C675	QETNLCM-107Z	E CAP.	100μF 16V M
C676	NCB3LCK-104X	C CAP.	0.1μF 16V K
C677	NCB3LCK-104X	C CAP.	0.1μF 16V K
C702	NCB3LHK-103X	C CAP.	0.01μF 50V K
C703	QETNLEM-477Z	E CAP.	470μF 35V M
C704	NCB3LCK-104X	C CAP.	0.1μF 16V K
C705	NCB3LCK-104X	C CAP.	0.1μF 16V K
C706	QETNLEM-227Z	E CAP.	2200pF 10V M
C707	NCB3LCK-104X	C CAP.	0.1μF 16V K
C708	QETNLEM-107Z	E CAP.	100μF 10V M
C709	NCB3LCK-104X	C CAP.	0.1μF 16V K
C710	QETNLEM-107Z	E CAP.	100μF 10V M
C711	QETNLEM-227Z	E CAP.	220μF 10V M
C712	QETNLEM-227Z	E CAP.	220μF 10V M
C713	NCB3LCK-104X	C CAP.	0.1μF 16V K
C714	NCB3LCK-104X	C CAP.	0.1μF 16V K

△ Symbol No. Part No. Part Name Description

CAPACITOR

C715	NDC31HJ-561X	C CAP.	560pF	50V	J
C716	NCB31CK-104X	C CAP.	0.1μF	16V	K
C717	NCB31CK-104X	C CAP.	0.1μF	16V	K
C718	QENCLEM-106Z	BP E CAP.	10μF	25V	M
C721	QETNLM-105Z	E CAP.	1.0μF	50V	M
C722	QETNLM-106Z	E CAP.	10μF	50V	M
C723	QETNLM-106Z	E CAP.	10μF	50V	M
C724	QETNLM-106Z	E CAP.	10μF	50V	M
C725	NCB31CK-104X	C CAP.	0.1μF	16V	K
C726	NCB31CK-104X	C CAP.	0.1μF	16V	K
C727	NCB31CK-104X	C CAP.	0.1μF	16V	K
C728	NCB31CK-104X	C CAP.	0.1μF	16V	K
C729	NCB31EK-333X	C CAP.	0.033μF	25V	K
C730	NDC31HJ-151X	C CAP.	150pF	50V	J
C732	NDC31HJ-330X	C CAP.	33pF	50V	J
C733	NDC31HJ-390X	C CAP.	39pF	50V	J
C734	NCB31CK-104X	C CAP.	0.1μF	16V	K
C735	NCB31EK-333X	C CAP.	0.033μF	25V	K
C736	NCB31HK-102X	C CAP.	1000pF	50V	K
C737	NCB31CK-104X	C CAP.	0.1μF	16V	K
C738	NDC31HJ-151X	C CAP.	150pF	50V	J
C739	NCF31AZ-105X	C CAP.	1μF	10V	Z
C740	NDC31HJ-561X	C CAP.	560pF	50V	J
C741	QETNLM-105Z	E CAP.	1.0μF	50V	M
C742	QETNLM-105Z	E CAP.	1.0μF	50V	M

COIL

L001	QQL244K-270Z	INDUCTOR			
L002	QQL244K-100Z	COIL	10μH	K	
L003	QQL244K-100Z	COIL	10μH	K	
L301	QQL244K-4R7Z	COIL	4.7μH	K	
L302	QQL244K-4R7Z	COIL	4.7μH	K	
L305	QQL244K-4R7Z	COIL	4.7μH	K	
L306	QQL244K-330Z	COIL	33μH	K	
L501	QQL244J-151Z	INDUCTOR			
L671	NQL085J-100X	INDUCTOR			
L672	NQL085J-100X	INDUCTOR			
L701	QQL244K-4R7Z	COIL	4.7μH	K	
L702	QQL244K-4R7Z	COIL	4.7μH	K	
L703	QQL244K-4R7Z	COIL	4.7μH	K	
L704	QQL244K-4R7Z	COIL	4.7μH	K	
L705	QQL244K-4R7Z	COIL	4.7μH	K	
L706	QQL244K-4R7Z	COIL	4.7μH	K	
L707	QQL244K-8R2Z	COIL	8.2μH	K	
L708	QQL244K-4R7Z	COIL	4.7μH	K	

DIODE

D301	MA3051/M/-X	Z DIODE			
D302	MA111-X	SI DIODE			
D303	MA111-X	SI DIODE			
D304	MA111-X	SI DIODE			
D503	AK04-T2	SB DIODE			
D611	MA3330/L/-X	Z DIODE			
D613	MA3330/L/-X	Z DIODE			
D616	MA111-X	SI DIODE			
D617	MA111-X	SI DIODE			
D618	MA111-X	SI DIODE			
D619	MA111-X	SI DIODE			
D620	MA111-X	SI DIODE			
D621	MA111-X	SI DIODE			
D702	MA111-X	SI DIODE			
D703	MA111-X	SI DIODE			
D704	MA3068/M/-X	Z DIODE			
D705	MA111-X	SI DIODE			

TRANSISTOR

Q001	2SC2412K/QR/-X	TRANSISTOR			
Q002	2SC2412K/QR/-X	TRANSISTOR			
Q301	2SA1037AK/QR/-X	TRANSISTOR			
Q302	2SA1037AK/QR/-X	TRANSISTOR			
Q308	DTC124EKA-X	DIGI TRANSISTOR			
Q309	2SC2412K/QR/-X	TRANSISTOR			
Q311	DTC124EKA-X	DIGI TRANSISTOR			
Q312	2SA1037AK/QR/-X	TRANSISTOR			
Q401	DTC124EKA-X	DIGI TRANSISTOR			
Q402	2SC2412K/QR/-X	TRANSISTOR			
Q611	2SA1037AK/QR/-X	TRANSISTOR			
Q612	DTC124EKA-X	DIGI TRANSISTOR			

△ Symbol No. Part No. Part Name Description

TRANSISTOR

Q614	DTC124EKA-X	DIGI TRANSISTOR			
Q617	DTC144EKA-X	DIGI TRANSISTOR			
Q618	2SC2412K/QR/-X	TRANSISTOR			
Q619	DTC144EKA-X	DIGI TRANSISTOR			
Q620	2SA1037AK/QR/-X	TRANSISTOR			
Q671	2SA1037AK/QR/-X	TRANSISTOR			
Q672	DTC323TK-X	DIGI TRANSISTOR			
Q673	DTC323TK-X	DIGI TRANSISTOR			
Q701	DTC124EKA-X	DIGI TRANSISTOR			
Q702	2SC2412K/QR/-X	TRANSISTOR			
Q703	2SC2412K/QR/-X	TRANSISTOR			
Q704	2SC2412K/QR/-X	TRANSISTOR			
Q705	2SA1037AK/QR/-X	TRANSISTOR			
Q706	2SC2412K/QR/-X	TRANSISTOR			
Q707	2SA1037AK/QR/-X	TRANSISTOR			
Q708	2SC2412K/QR/-X	TRANSISTOR			
Q709	2SC2412K/QR/-X	TRANSISTOR			
Q710	2SC2412K/QR/-X	TRANSISTOR			
Q711	2SC2412K/QR/-X	TRANSISTOR			
Q712	2SC2412K/QR/-X	TRANSISTOR			
Q713	2SA1037AK/QR/-X	TRANSISTOR			

IC

IC301	TB1277CN	IC			
IC302	AN5860	I C			
IC501	AN5441SA-W	IC			
IC551	LA6515	I C			
IC602	AN5277	IC			
IC608	NJM2701-X	I C			
IC671	BA05T	IC			
IC701	SDA555XFL	IC(MICRO C RM)			
IC702	AT24C16-28T25EK	IC			(SERVICE)
IC703	JLC1562BF-X	I C			
IC704	BA17805T	IC			
IC705	MM1478DF-X	IC			
IC706	R1170H2518-X	IC			

OTHERS

	CEMS009-052	IC SOCKET			
	CEMS007-008	IC SOCKET			
CN001	QGF1220C2-19	FFC/FPC CONNE			
CN003	QGB1506L1-16	B TO B CONNE			
CN004	QGB1506L1-16	B TO B CONNE			
CN005	QGB1506L1-16	B TO B CONNE			
CN006	QGB1505J1-50	B TO B CONNE			
CN008	QGA2501C5-08Z	W TO B CONNE			
CN016	QGA2501C5-05Z	W TO B CONNE			
K307	QOR0621-002Z	FERRITE BEADS			
LC301	CE42142-222Z	EMI FILTER			
TU001	QAU0276-001	TUNER			
X301	QAX0305-001Z	CRYSTAL			
X701	QAX0669-001Z	CRYSTAL			

AV32T25EKS
AV32T55EKS
AV32T25EIS

AV32T25EKS / AV32T55EKS / AV32T25EIS

POWER & DEF. P.W. BOARD ASS'Y (S JL-2002A-U2)

△ Symbol No. Part No. Part Name Description

RESISTOR

R401	QRE141J-682Y	C R	6.8kΩ 1/4W J
R402	QRA14CF-6801Y	MF R	6.8kΩ 1/4W F
R403	QRA14CF-3091Y	MF R	3.09kΩ 1/4W F
R404	QRA14CF-8200Y	MF R	820Ω 1/4W F
R405	QRA14CF-8200Y	MF R	820Ω 1/4W F
R406	QRE141J-103Y	C R	10kΩ 1/4W J
R407	QUY153-050Y	IM BUS WIRE	
R409	QRE141J-103Y	C R	10kΩ 1/4W J
R410	QRE141J-102Y	C R	1kΩ 1/4W J
R414	QRE121J-487Y	C R	4.7Ω 1/2W J
R415	QRX01GJ-188	MF R	1.8Ω 1W J
R416	QRG01GJ-820	OM R	82Ω 1W J
R417	QRE121J-180Y	C R	1.8Ω 1/2W J
R461	QRE141J-331Y	C R	330Ω 1/4W J
R463	QRE121J-392Y	C R	3.9kΩ 1/2W J
R464	QRE121J-562Y	C R	5.6kΩ 1/2W J
R465	QRE121J-222Y	C R	2.2kΩ 1/2W J
R466	QRE121J-102Y	C R	1kΩ 1/2W J
R467	QRL09J-120	OM R	12Ω 3W J
R468	QRE121J-472Y	C R	4.7kΩ 1/2W J
R492	QRE141J-683Y	C R	68kΩ 1/4W J
R493	QRE141J-224Y	C R	220kΩ 1/4W J
△ R494	QRZ017-4R7	F R	4.7 Ω 1/4W J
R495	QRE141J-103Y	C R	10kΩ 1/4W J
R496	QRE141J-183Y	C R	18kΩ 1/4W J
R497	QRE141J-153Y	C R	15kΩ 1/4W J
R501	QRE141J-561Y	C R	560Ω 1/4W J
R502	QRE141J-222Y	C R	2.2kΩ 1/4W J
R503	QRE121J-152Y	C R	1.5kΩ 1/2W J
R504	QRL09J-332	OM R	3.3kΩ 3W J
R505	QRL09J-332	OM R	3.3kΩ 3W J
R521	QRE121J-150Y	C R	15Ω 1/2W J
R522	QRL09J-103	OM R	10kΩ 3W J
R523	QRE121J-471Y	C R	470Ω 1/2W J
△ R524	QRZ017-4R7	F R	4.7 Ω 1/4W J
R525	QRE141J-152Y	C R	1.5kΩ 1/4W J
R541	QRE121J-103Y	C R	10kΩ 1/2W J
R542	QRE121J-222Y	C R	2.2kΩ 1/2W J
R543	QRE121J-124Y	C R	120kΩ 1/2W J
R544	QRE121J-104Y	C R	100kΩ 1/2W J
R545	QRE141J-123Y	C R	12kΩ 1/4W J
R546	QRE121J-104Y	C R	100kΩ 1/2W J
R547	QRE141J-123Y	C R	12kΩ 1/4W J
R548	QRE121J-222Y	C R	2.2kΩ 1/2W J
R551	QRT09J-1R2	MF R	1.2Ω 3W J
R552	QRT09J-1R2	MF R	1.2Ω 3W J
R553	QRF104K-5R6	UNF R	5.6Ω 10W K
△ R554	QRZ022-R47	F R	0.47 Ω 1W K
△ R555	QRZ011-4R7	F R	4.7 Ω 1/2W J
R561	QRL09J-220	OM R	22Ω 2W J
R562	QRE121J-123Y	C R	12kΩ 1/2W J
R563	QRZ056-103Z	COMP R	10kΩ 1/2W K
R591	QRE121J-123Y	C R	12kΩ 1/2W J
R592	QRA14CF-1201Y	MF R	1.2kΩ 1/4W F
R593	QRE141J-183Y	C R	18kΩ 1/4W J
R594	QRE141J-222Y	C R	2.2kΩ 1/4W J
△ R595	QRA14CF-2102Y	MF R	21kΩ 1/4W F
△ R596	QRA14CF-2671Y	MF R	2.67kΩ 1/4W F
R597	QRE141J-273Y	C R	27kΩ 1/4W J
R902	QRE121J-331Y	C R	330Ω 1/2W J
R903	QRF104K-3R9	UNF R	3.9Ω 10W K
R904	QRE121J-474Y	C R	470kΩ 1/2W J
R905	QRE121J-474Y	C R	470kΩ 1/2W J
R906	QUY153-050Y	IM BUS WIRE	
R907	QRL09J-823	OM R	82kΩ 3W J
R908	QRL09J-823	OM R	82kΩ 3W J
R909	QRG09J-473	OM R	47kΩ 3W J
R911	QRW09J-R10	MP R	0.1Ω 5W J
R912	QRT09J-R82	MF R	0.82Ω 2W J
△ R913	QRZ017-100	F R	10 Ω 1/4W K

△ Symbol No. Part No. Part Name Description

RESISTOR

R914	QRE121J-272Y	C R	2.7kΩ 1/2W J
R916	QRE141J-103Y	C R	10kΩ 1/4W J
R917	QRE121J-221Y	C R	220Ω 1/2W J
R918	QRE121J-102Y	C R	1kΩ 1/2W J
R932	QUY153-050Y	IM BUS WIRE	
R934	QRE141J-102Y	C R	1kΩ 1/4W J
R935	QRE141J-223Y	C R	22kΩ 1/4W J
R936	QRE141J-103Y	C R	10kΩ 1/4W J
△ R939	QRZ017-100	C R	10Ω 1/4W K
R941	QRE141J-102Y	C R	1kΩ 1/4W J
R952	QRE141J-222Y	C R	2.2kΩ 1/4W J
R964	QRE121J-222Y	C R	2.2kΩ 1/2W J
R967	QRL09J-223	OM R	22kΩ 3W J
R976	QRL09J-100	OM R	10Ω 2W J
△ R991	QRZ057-825	C R	8.2MΩ 1W J

CAPACITOR

C401	QEHRLVM-227Z	E CAP.	220μF 35V M
C402	QETMLVM-108	E CAP.	1000μF 35V M
C403	QFLCZAJ-683Z	M CAP.	0.08μF 100V J
C404	QETNLHM-105Z	E CAP.	1.0μF 50V M
C405	QFLCLHJ-472Z	M CAP.	4700pF 50V J
C406	QCZ037-180Z	C CAP.	18pF 2KV K
C407	QFLCLHJ-102Z	M CAP.	1000pF 50V J
C408	QFVFLHJ-334Z	MF CAP.	0.33μF 50V J
C410	QFVFLHJ-334Z	MF CAP.	0.33μF 50V J
C411	QFLCZAJ-563Z	M CAP.	0.056μF 100V J
C451	QFVFLHJ-104Z	MF CAP.	0.1μF 50V J
C461	QEZO195-475Z	E CAP.	4.7μF 50V M
C462	QETNLHM-106Z	E CAP.	10μF 50V M
C463	QFLCLHJ-153Z	M CAP.	0.015μF 50V J
C464	QFLCLHJ-332Z	M CAP.	3300pF 50V J
C491	QETNLHM-105Z	E CAP.	1.0μF 50V M
C492	QETNLHM-106Z	E CAP.	10μF 50V M
C502	QCB32HK-681Z	C CAP.	680pF 500V K
C503	QEHRLCM-105Z	E CAP.	1.0μF 160V M
△ C521	QFZ000-45Z	MPP CAP.	4500pF 1.5kVH±3%
△ C522	QFZ000-123	MPP CAP.	0.012μF 1.5kVH±3%
△ C523	QFP32GJ-153	PP CAP.	0.015μF 400V J
C524	QFMZDK-104	M CAP.	0.1μF 200V K
△ C526	QFZ0199-304	MPP CAP.	0.3μF 250V J
C527	QEHRLCM-475Z	E CAP.	4.7μF 250V M
△ C529	QFMZDK-393	M CAP.	0.039μF 200V K
C530	QCB32HK-561Z	C CAP.	560pF 500V K
C531	QFLCLHJ-103Z	M CAP.	0.01μF 50V J
C533	QCS32HJ-560Z	C CAP.	56pF 500V J
C542	QFZ0197-104	MPP CAP.	0.1μF 250V J
C543	QFZ0197-104	MPP CAP.	0.1μF 250V J
C551	QETNLHM-106Z	E CAP.	10μF 250V M
C552	QCB32HK-152Z	C CAP.	1500pF 500V K
C553	QEHRLCM-108Z	E CAP.	1000μF 25V M
C554	QCB32HK-152Z	C CAP.	1500pF 500V K
C555	QEHRLCM-108Z	E CAP.	1000μF 25V M
C560	QETMLCM-227	E CAP.	220μF 160V M
C561	QFLCLHJ-683Z	M CAP.	0.08μF 50V J
C591	QETNLAM-107Z	E CAP.	100μF 10V M
C592	QETNLHM-476Z	E CAP.	47μF 25V M
C593	QETNLAM-106Z	E CAP.	10μF 100V M
C594	QETNLAM-227Z	E CAP.	220μF 10V M
△ C901	QFZ075-473	MPP CAP.	0.047μF FAC275V M
△ C904	QCZ054-47Z	C CAP.	4700pF FAC250V Z
△ C905	QCZ054-47Z	C CAP.	4700pF FAC250V Z
△ C906	QCZ054-47Z	C CAP.	4700pF FAC250V Z
C907	QFZ0199-227	E CAP.	220μF 400V M
C908	QCB32HK-103	C CAP.	0.01μF 500V K
C909	QCZ0122-391	C CAP.	390pF 2KV K
C910	QCZ0122-681	C CAP.	680pF 2KV K
C912	QCB31HK-102Z	C CAP.	1000pF 50V K
C916	QETNLHM-476Z	E CAP.	47μF 50V M
C917	QETNLHM-475Z	E CAP.	4.7μF 50V M

Symbol No.	Part No.	Part Name	Description
CAPACITOR			
C918	QCB31HK-1522	C CAP.	1500pF 50V K
C920	QFVFLHJ-334Z	MF CAP.	0.33uF 50V J
C933	QETMLVM-338	E CAP.	3300pF 35V M
C951	QCZQ122-561	C CAP.	560pF 2kV K
C952	QEZQ03-227	E CAP.	220uF 160V M
C953	QCB32HK-391Z	C CAP.	390pF 500V K
C954	QTMMLCM-228	E CAP.	2200pF 25V M
C955	QCB32HK-391Z	C CAP.	390pF 500V K
C956	QTMMLCM-228	E CAP.	2200pF 16V M
C958	QCB32HK-391Z	C CAP.	390pF 500V K
C959	QETMLVM-338	E CAP.	3300pF 35V M
C964	QFVFLHJ-684Z	MF CAP.	0.68uF 50V J
C968	QCZQ120-104Z	C CAP.	0.1uF 25V Z
C969	QEHRLCM-477Z	E CAP.	470pF 16V M
C970	QEHRLCM-107Z	E CAP.	100pF 16V M
C971	QCZQ120-104Z	C CAP.	0.1uF 25V Z
C972	QETMLCM-227Z	E CAP.	220pF 16V M
C973	QETMLCM-476Z	E CAP.	47pF 25V M
C974	QCZQ120-104Z	C CAP.	0.1uF 25V Z
C975	QETMLCM-227Z	E CAP.	220pF 10V M
C976	QETMLCM-476Z	E CAP.	47pF 25V M
C991	QCZQ079-33Z	C CAP.	3300pFAC250V M
C992	QCZQ079-471	C CAP.	470pFAC250V K
TRANSFORMER			
T501	CE42034-002	HOR DRIVE TRANS	
T551	QQH0130-001	FBT	
T561	QOR0898-001	DEF TRANSF	
T901	QQS0144-001	SW TRANSF	
COIL			
L461	QQLZ027-821	INDUCTOR	
L521	QQLZ028-501	INDUCTOR	
L522	QQR1106-002	LINEARITY COIL	
L561	QQLZ028-472	INDUCTOR	
L901	QQL402K-100	COIL	10uH K
L902	QQL402K-100	COIL	10uH K
L903	QQR1200-001	LINEARITY COIL	
L951	QQLZ026-460	INDUCTOR	
L952	QQLZ6AK-820Z	COIL	82uH K
L953	QQLZ6AM-5R6Z	INDUCTOR	
L954	QQLZ6AM-5R6Z	INDUCTOR	
L955	QQLZ6AK-220Z	COIL	22uH K
DIODE			
D402	1N4003-T2	SI DIODE	
D451	EU2-T3	SI DIODE	
D491	1SS133-T2	SI DIODE	
D492	MTZJ278-T2	Z DIODE	
D493	1SS133-T2	SI DIODE	
D494	1SS133-T2	SI DIODE	
D521	RH3G-F1	SI DIODE	
D522	RU30A-F1	SI DIODE	
D523	EU2-T3	SI DIODE	
D525	MTZJ9.1B-T2	Z DIODE	
D551	EU2A-T3	SI DIODE	
D553	EU2-T3	SI DIODE	
D554	EU2-T3	SI DIODE	
D591	MTZJ158-T2	Z DIODE	
D592	MTZJ7.5B-T2	Z DIODE	
D593	EU2-T3	SI DIODE	
D594	MTZJ7.5S-T2	Z DIODE	
D901	D35BA60	BRIDGE DIODE	
D902	RG1C-LFA1	SI DIODE	
D904	AU01Z-T2	FR DIODE	
D905	AU01Z-T2	FR DIODE	
D906	MTZJ4.7A-T2	Z DIODE	
D907	MTZJ158-T2	Z DIODE	
D909	1SS133-T2	SI DIODE	
D910	QUY153-050Y	IM BUS WIRE	
D911	MTZJ158-T2	Z DIODE	
D913	MTZJ278-T2	Z DIODE	
D951	RU4B-F1	SI DIODE	
D953	EU2-T3	SI DIODE	
D954	EU2-T3	SI DIODE	
D955	FMX-G12S	SI DIODE	
D957	RGP10J-5025-T3	SI DIODE	
D958	1SR35-400A-T2	SI DIODE	
D961	QUY153-050Y	IM BUS WIRE	

Symbol No.	Part No.	Part Name	Description
DIODE			
D962	QUY153-050Y	IM BUS WIRE	
D963	MTZJ3.9B-T2	Z DIODE	
D964	MTZJ33B-T2	Z DIODE	
D965	MTZJ4.3B-T2	Z DIODE	
D981	1SS133-T2	SI DIODE	
D982	1SS133-T2	SI DIODE	
D983	1SS133-T2	SI DIODE	
D985	MTZJ7.5C-T2	Z DIODE	
TRANSISTOR			
Q402	2SC1740S/QR/-T	TRANSISTOR	
Q461	2SD1408/OY/-LB	POW TRANSISTOR	
Q462	2SA933AS/QR/-T	TRANSISTOR	
Q463	2SA933AS/QR/-T	TRANSISTOR	
Q501	BSN304-T	MOS FET	
Q514	DTC124ESA-T	DIGI TRANSISTOR	
Q521	2SD2553-LB	POW TRANSISTOR	H. OUT
Q542	DTC124ESA-T	DIGI TRANSISTOR	
Q543	1RF620	POWER MOS FET	
Q544	2SK2459N-F54	POWER MOS FET	
Q545	2SK2459N-F54	POWER MOS FET	
Q546	DTC124ESA-T	DIGI TRANSISTOR	
Q591	2SA949/Y/Z1-T	TRANSISTOR	
Q592	DTC124ESA-T	DIGI TRANSISTOR	
Q593	2SC1740S/QR/-T	TRANSISTOR	
Q931	2SC1740S/QR/-T	TRANSISTOR	
Q932	DTC124ESA-T	DIGI TRANSISTOR	
IC			
IC401	LA78041	IC	
IC901	STR-F6254/F7	IC	
IC951	SE140N	IC	
IC952	BA12T	IC	
IC953	BA17809T	IC	
IC954	PQ05RF11	IC	
OTHERS			
CN008	QGB1506M1-16	B TO B CONNE	
CN004	QGB1506M1-16	B TO B CONNE	
CN005	QGB1506M1-16	B TO B CONNE	
CN009	QGA2501C5-06Z	W TO B CONNE	
CP951	QUY153-050Y	IM BUS WIRE	
CP952	ICP-N50-Y	IC PROTECTOR	
CP953	QMFZ034-4R0Z-J1	FUSE	4.0A
CP955	ICP-N75-Y	IC PROTECTOR	
K401	QQR0621-002Z	FERRITE BEADS	
K503	QQR0682-001Z	FERRITE BEADS	
K504	QQR0682-001Z	FERRITE BEADS	
K901	QQR0679-001	FERRITE BEADS	
K904	QQR0679-001	FERRITE BEADS	
K951	QQR0672-001Y	FERRITE BEADS	
K952	QQR0621-002Z	FERRITE BEADS	
K953	QQR0621-002Z	FERRITE BEADS	
K954	QQR0621-002Z	FERRITE BEADS	
K956	QQR0621-002Z	FERRITE BEADS	
LF902	QQR1095-001	LINE FILTER	
PC541	PC123FY2	IC(PHOTO COUPLE	
PC901	PC123FY2	IC(PHOTO COUPLE	
TH901	QADQ133-9R0	P THERMISTOR	

AV32T25EKS
AV32T55EKS
AV32T25EIS

■CRT SOCKET P.W. BOARD ASS'Y (SJL-3002A-U2)

△ Symbol No.	Part No.	Part Name	Description
RESISTOR			
R3101	NRS463J-101X	MG R	100Ω 1/16W J
R3102	NRS463J-101X	MG R	100Ω 1/16W J
R3103	NRS463J-101X	MG R	100Ω 1/16W J
R3107	NRS463J-392X	MG R	3.9kΩ 1/16W J
R3108	NRS463J-392X	MG R	3.9kΩ 1/16W J
R3109	NRS463J-392X	MG R	3.9kΩ 1/16W J
R3110	NRS463J-221X	MG R	220Ω 1/16W J
R3111	NRS463J-221X	MG R	220Ω 1/16W J
R3112	NRS463J-221X	MG R	220Ω 1/16W J
R3113	NRS463J-470X	MG R	47Ω 1/16W J
R3114	NRS463J-470X	MG R	47Ω 1/16W J
R3115	NRS463J-470X	MG R	47Ω 1/16W J
R3116	QRLQ29J-153	OM R	15kΩ 2W J
R3117	QRLQ29J-153	OM R	15kΩ 2W J
R3118	QRLQ29J-153	OM R	15kΩ 2W J
R3119	QRLQ29J-183	OM R	18kΩ 2W J
R3120	QRLQ29J-183	OM R	18kΩ 2W J
R3121	QRLQ29J-183	OM R	18kΩ 2W J
R3125	QRZQ107-102Z	C R	1kΩ 1/2W K
R3126	QRZQ107-102Z	C R	1kΩ 1/2W K
R3127	QRZQ107-102Z	C R	1kΩ 1/2W K
R3130	QRGQ1GJ-101	OM R	100Ω 1W J
R3135	QRZQ107-474Z	C R	470kΩ 1/2W K
R3136	QRE121J-474Y	C R	470kΩ 1/2W J
R3137	QRZQ107-102Z	C R	1kΩ 1/2W K
R3138	QRE121J-105Y	C R	1MΩ 1/2W J
R3151	NRS463J-102X	MG R	1kΩ 1/16W J
R3152	NRS463J-472X	MG R	4.7kΩ 1/16W J
R3154	NRS463J-0R0X	MG R	0.0Ω 1/16W J
R3303	NRS463J-101X	MG R	100Ω 1/16W J
R3312	NRS463J-153X	MG R	15kΩ 1/16W J
R3313	NRS463J-152X	MG R	1.5kΩ 1/16W J
R3314	NRS463J-221X	MG R	220Ω 1/16W J
R3315	NRS463J-101X	MG R	100Ω 1/16W J
R3316	NRS463J-222X	MG R	2.2kΩ 1/16W J
R3317	NRS463J-470X	MG R	47Ω 1/16W J
△ R3318	QRJ146J-100X	C R	10Ω 1/4W J
R3319	NRS463J-470X	MG R	47Ω 1/16W J
R3320	NRS463J-122X	MG R	1.2kΩ 1/16W J
R3321	NRS463J-390X	MG R	39Ω 1/16W J
R3322	QRE121J-2R7Y	C R	2.7Ω 1/2W J
R3323	QRE121J-563Y	C R	56kΩ 1/2W J
R3324	QRE121J-563Y	C R	56kΩ 1/2W J
R3325	NRS463J-122X	MG R	1.2kΩ 1/16W J
R3326	QRE121J-2R7Y	C R	2.7Ω 1/2W J
R3327	NRS463J-390X	MG R	39Ω 1/16W J
R3328	NRS463J-121X	MG R	120Ω 1/16W J
R3329	QRLQ29J-391	OM R	390Ω 2W J

CAPACITOR

C3101	NDC31HJ-391X	C CAP.	390pF 50V J
C3102	NDC31HJ-391X	C CAP.	390pF 50V J
C3103	NDC31HJ-391X	C CAP.	390pF 50V J
C3104	QETN1CM-107Z	E CAP.	100μF 16V M
C3105	QETN1EM-476Z	E CAP.	47μF 25V M
C3107	QETN1HM-106Z	E CAP.	10μF 50V M
C3113	QCZQ131-22Z	C CAP.	2200pF 2KV K
C3114	QETM2EM-336	E CAP.	33μF 250V M
C3115	QETM2EM-106	E CAP.	10μF 250V M
C3116	NRS463J-0R0X	MG R	0.0Ω 1/16W J
C3304	NCB31HK-103X	C CAP.	0.01μF 50V K
C3305	QETN1HM-335Z	E CAP.	3.3μF 50V M
C3306	QETN1CM-107Z	E CAP.	100μF 16V M
C3307	NDC31HJ-5R0X	C CAP.	5.0pF 50V J
C3308	QETN2CM-106Z	E CAP.	10μF 160V M
C3309	QCB32HK-472Z	C CAP.	4700pF 500V K
C3310	QETN2CM-106Z	E CAP.	10μF 160V M
C3311	NDC31HJ-821X	C CAP.	820pF 50V J
C3312	QCB32HK-472Z	C CAP.	4700pF 500V K
C3313	NDC31HJ-561X	C CAP.	560pF 50V J
C3314	QETN1CM-107Z	E CAP.	100μF 16V M
C3315	QCS32HJ-680Z	C CAP.	68pF 500V J
C3316	QETN1CM-107Z	E CAP.	100μF 16V M
C3317	QETN1AM-337Z	E CAP.	330μF 10V M

COIL

L3101	QUY153-050Y	IM BUS WIRE	
L3102	QUY153-050Y	IM BUS WIRE	
L3103	QUY153-050Y	IM BUS WIRE	

△ Symbol No.	Part No.	Part Name	Description
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COIL

L3301	QQL244J-391Z	INDUCTOR	
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DIODE

D3151	MA111-X	SI DIODE	
D3152	MA3082/L/-X	Z DIODE	
D3153	MA111-X	SI DIODE	
D3154	MA111-X	SI DIODE	
D3155	MA111-X	SI DIODE	
D3156	MA3047/H/-X	Z DIODE	
D3163	MA3150/M/-X	Z DIODE	
D3164	1SR35-400A-T2	SI DIODE	
D3302	RH15-T3	SI DIODE	
D3303	RH15-T3	SI DIODE	

TRANSISTOR

Q3101	2SC1740S/QR/-T	TRANSISTOR	
Q3102	2SC1740S/QR/-T	TRANSISTOR	
Q3103	2SC1740S/QR/-T	TRANSISTOR	
Q3104	2SC4544-LB	POW TRANSISTOR	
Q3105	2SC4544-LB	POW TRANSISTOR	
Q3106	2SC4544-LB	POW TRANSISTOR	
Q3151	2SA1037AK/QR/-X	TRANSISTOR	
Q3152	2SC4682-T	TRANSISTOR	
Q3304	2SC1740S/QR/-T	TRANSISTOR	
Q3305	2SC1740S/QR/-T	TRANSISTOR	
Q3306	2SA83AS/QR/-T	TRANSISTOR	
Q3307	2SA1837	POWER TRANSISTO	
Q3308	2SC4793	POWER TRANSISTO	

OTHERS

CN3008	QJK002-083633	SIN CR C-B WIRE	
CN3009	QJK002-063631	SIN CR C-B WIRE	
△ FR3330	QRZ921-561	F R	560 Ω 2W J
K3101	QOR0521-002Z	FERRITE BEADS	
K3301	CE41492-001Z	CHOKE COIL	
K3302	CE41492-001Z	CHOKE COIL	
K3303	CE41492-001Z	CHOKE COIL	
K3304	CE41492-001Z	CHOKE COIL	
△ SK3001	QNZ0574-001	CRT SOCKET	

■FRONT CONTROL P.W. BOARD ASS'Y (SJL-8004A-U2)

△ Symbol No.	Part No.	Part Name	Description
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RESISTOR

R8801	NRS463J-561X	MG R	560Ω 1/16W J
R8802	NRS463J-561X	MG R	560Ω 1/16W J
R8804	NRS463J-103X	MG R	10kΩ 1/16W J
R8851	NRS463J-152X	MG R	1.5kΩ 1/16W J

CAPACITOR

C8851	NCB31CK-104X	C CAP.	0.1μF 16V K
C8852	QETN1CM-107Z	E CAP.	100μF 16V M
△ C8901	QFZ9075-474	MPP CAP.	0.47μFAC275V M

DIODE

D8801	SPR-39MVWF	LED	
D8851	MA3068/M/-X	Z DIODE	

TRANSISTOR

Q8801	DTA124EKA-X	DIGI TRANSISTOR	
Q8802	DTA124EKA-X	DIGI TRANSISTOR	
Q8803	DTC124EKA-X	DIGI TRANSISTOR	

IC

IC8851	GP1U281Q	IR DETECT UNIT	
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OTHERS

CN8001	LC30849-001A-H	LED HOLDER	
△ F8901	CEM002-001Z	FUSE CLIP	
△ LF8901	QGF1220C2-19	FFC/FPC CONNE	
△ S8901	QMF51D2-3R15J1	FUSE	3.15A
	QOR1095-001	LINE FILTER	
	QSW0824-001	PUSH SWITCH	MAIN POWER

■ SIDE CONTROL P.W. BOARD ASS'Y
(SJL-8104A-U2)

Symbol No.	Part No.	Part Name	Description
RESISTOR			
R8001	QRE121J-271Y	C R	270Ω 1/2W J
R8002	QRE121J-271Y	C R	270Ω 1/2W J
R8010	NRS463J-103X	MG R	10kΩ 1/16W J
R8011	NRS463J-103X	MG R	10kΩ 1/16W J
R8012	NRS463J-103X	MG R	10kΩ 1/16W J
R8021	NRS463J-102X	MG R	1kΩ 1/16W J
R8022	NRS463J-102X	MG R	1kΩ 1/16W J
R8317	NRS463J-750X	MG R	75Ω 1/16W J
CAPACITOR			
C8001	NCB31HK-103X	C CAP.	0.01μF 50V K
C8002	NCB31HK-103X	C CAP.	0.01μF 50V K
C8003	NCB31HK-102X	C CAP.	1000pF 50V K
C8004	NCB31HK-102X	C CAP.	1000pF 50V K
C8310	NCB31HK-472X	C CAP.	4700pF 50V K
C8311	NCB31HK-472X	C CAP.	4700pF 50V K
C8321	NCB31CK-104X	C CAP.	0.1μF 16V K
COIL			
L8001	QQR0716-001Z	FERRITE BEADS	
L8002	QQL244K-5R6Z	COIL	5.6μH K
L8003	QQL244K-5R6Z	COIL	5.6μH K
L8310	QQL244K-270Z	INDUCTOR	
L8311	QQL244K-270Z	INDUCTOR	
L8312	QQR0716-001Z	FERRITE BEADS	
OTHERS			
CN8016	QGA2501C5-05Z	W TO B CONNE	
J8001	QNS0169-001	3.5 JACK	
J8303	QNZ038-001	AV JACK	
S8001	QSW0619-003Z	TACT SWITCH	CH UP
S8002	QSW0619-003Z	TACT SWITCH	MENU
S8003	QSW0619-003Z	TACT SWITCH	CH DOWN

■ AV SW P.W. BOARD ASS'Y (SJL0S002A-U2)

Symbol No.	Part No.	Part Name	Description
RESISTOR			
R0101	NRS463J-750X	MG R	75Ω 1/16W J
R0102	NRS463J-750X	MG R	75Ω 1/16W J
R0103	NRS463J-750X	MG R	75Ω 1/16W J
R0104	NRS463J-750X	MG R	75Ω 1/16W J
R0105	NRS463J-750X	MG R	75Ω 1/16W J
R0106	NRS463J-750X	MG R	75Ω 1/16W J
R0107	NRS463J-750X	MG R	75Ω 1/16W J
R0108	NRS463J-750X	MG R	75Ω 1/16W J
R0110	NRS463J-823X	MG R	82kΩ 1/16W J
R0112	NRS463J-823X	MG R	82kΩ 1/16W J
R0113	NRS463J-750X	MG R	75Ω 1/16W J
R0114	NRS463J-473X	MG R	47kΩ 1/16W J
R0115	NRS463J-223X	MG R	22kΩ 1/16W J
R0116	NRS463J-223X	MG R	22kΩ 1/16W J
R0117	NRS463J-823X	MG R	82kΩ 1/16W J
R0118	NRS463J-823X	MG R	82kΩ 1/16W J
R0119	NRS463J-391X	MG R	390Ω 1/16W J
R0120	NRS463J-391X	MG R	390Ω 1/16W J
R0123	NRS463J-104X	MG R	100kΩ 1/16W J
R0124	NRS463J-101X	MG R	100Ω 1/16W J
R0125	NRS463J-101X	MG R	100Ω 1/16W J
R0126	NRS463J-333X	MG R	33kΩ 1/16W J
R0127	NRS463J-101X	MG R	100Ω 1/16W J
R0128	NRS463J-103X	MG R	10kΩ 1/16W J
R0129	NRS463J-823X	MG R	82kΩ 1/16W J
R0130	NRS463J-473X	MG R	47kΩ 1/16W J
R0131	NRS463J-273X	MG R	27kΩ 1/16W J
R0132	NRS463J-153X	MG R	15kΩ 1/16W J
R0133	NRS463J-222X	MG R	2.2kΩ 1/16W J

Symbol No.	Part No.	Part Name	Description
RESISTOR			
R0134	NRS463J-333X	MG R	33kΩ 1/16W J
R0135	NRS463J-222X	MG R	2.2kΩ 1/16W J
R0136	NRS463J-333X	MG R	33kΩ 1/16W J
R0137	NRS463J-333X	MG R	33kΩ 1/16W J
R0138	NRS463J-473X	MG R	47kΩ 1/16W J
R0139	NRS463J-823X	MG R	82kΩ 1/16W J
R0140	NRS463J-103X	MG R	10kΩ 1/16W J
R0141	NRS463J-153X	MG R	15kΩ 1/16W J
R0142	NRS463J-223X	MG R	22kΩ 1/16W J
R0143	NRS463J-473X	MG R	47kΩ 1/16W J
R0144	NRS463J-273X	MG R	27kΩ 1/16W J
R0146	NRS463J-391X	MG R	390Ω 1/16W J
R0148	NRS463J-391X	MG R	390Ω 1/16W J
R0151	NRS463J-104X	MG R	100kΩ 1/16W J
R0152	NRS463J-222X	MG R	2.2kΩ 1/16W J
R0153	NRS463J-333X	MG R	33kΩ 1/16W J
R0154	NRS463J-222X	MG R	2.2kΩ 1/16W J
R0155	NRS463J-333X	MG R	33kΩ 1/16W J
R0156	NRS463J-101X	MG R	100Ω 1/16W J
R0157	NRS463J-101X	MG R	100Ω 1/16W J
R0158	NRS463J-101X	MG R	100Ω 1/16W J
R0159	NRS463J-101X	MG R	100Ω 1/16W J
R0160	NRS463J-101X	MG R	100Ω 1/16W J
R0161	NRS463J-101X	MG R	100Ω 1/16W J
R0162	NRS463J-101X	MG R	100Ω 1/16W J
R0163	NRS463J-101X	MG R	100Ω 1/16W J
R0164	NRS463J-101X	MG R	100Ω 1/16W J
R0165	NRS463J-101X	MG R	100Ω 1/16W J
R0166	NRS463J-101X	MG R	100Ω 1/16W J
R0167	NRS463J-101X	MG R	100Ω 1/16W J
R0168	NRS463J-101X	MG R	100Ω 1/16W J
R0169	NRS463J-101X	MG R	100Ω 1/16W J
R0170	NRS463J-333X	MG R	33kΩ 1/16W J
R0171	NRS463J-222X	MG R	2.2kΩ 1/16W J
R0172	NRS463J-473X	MG R	47kΩ 1/16W J
R0173	NRS463J-823X	MG R	82kΩ 1/16W J
R0174	NRS463J-103X	MG R	10kΩ 1/16W J
R0175	NRS463J-153X	MG R	15kΩ 1/16W J
R0176	NRS463J-473X	MG R	47kΩ 1/16W J
R0177	NRS463J-273X	MG R	27kΩ 1/16W J
R0180	NRS463J-101X	MG R	100Ω 1/16W J
R0181	NRS463J-101X	MG R	100Ω 1/16W J
R0182	NRS463J-101X	MG R	100Ω 1/16W J
R0183	NRS463J-101X	MG R	100Ω 1/16W J
R0184	NRS463J-333X	MG R	33kΩ 1/16W J
R0185	NRS463J-222X	MG R	2.2kΩ 1/16W J
R0186	NRS463J-333X	MG R	33kΩ 1/16W J
R0188	NRS463J-101X	MG R	100Ω 1/16W J
R0189	NRS463J-221X	MG R	220Ω 1/16W J
R0190	NRS463J-221X	MG R	220Ω 1/16W J
R0191	NRS463J-562X	MG R	5.6kΩ 1/16W J
R0192	NRS463J-562X	MG R	5.6kΩ 1/16W J
R0193	NRS463J-102X	MG R	1kΩ 1/16W J
R0194	NRS463J-102X	MG R	1kΩ 1/16W J
R0195	QRG01GJ-101	OM R	100Ω 1W J
R0197	QRK126J-181X	C R	180Ω 1/2W J
R0198	NRS463J-750X	MG R	75Ω 1/16W J
R0199	NRS463J-101X	MG R	100Ω 1/16W J
R0200	QRK126J-151X	C R	150Ω 1/2W J
R0203	NRS463J-750X	MG R	75Ω 1/16W J
R0204	NRS463J-750X	MG R	75Ω 1/16W J
R0205	NRS463J-750X	MG R	75Ω 1/16W J
R0207	NRS463J-222X	MG R	2.2kΩ 1/16W J
R0208	NRS463J-333X	MG R	33kΩ 1/16W J
R0209	NRS463J-222X	MG R	2.2kΩ 1/16W J
R0210	NRS463J-333X	MG R	33kΩ 1/16W J
R0211	NRS463J-103X	MG R	10kΩ 1/16W J
R0212	NRS463J-103X	MG R	10kΩ 1/16W J
R0606	QRG01GJ-181	OM R	180Ω 1W J
R0628	NRS463J-0R0X	MG R	0.0Ω 1/16W J
R0629	NRS463J-101X	MG R	100Ω 1/16W J
R0630	NRS463J-101X	MG R	100Ω 1/16W J
R0631	NRS463J-103X	MG R	10kΩ 1/16W J
R0632	NRS463J-223X	MG R	22kΩ 1/16W J
R0633	NRS463J-272X	MG R	2.7kΩ 1/16W J
R0634	NRS463J-223X	MG R	22kΩ 1/16W J
R0635	NRS463J-272X	MG R	2.7kΩ 1/16W J

AV32T25EKS
AV32T55EKS
AV32T25EIS

Symbol No.	Part No.	Part Name	Description
RESISTOR			
R0636	NRS463J-682X	MG R	6.8kΩ 1/16W J
R0638	NRS463J-682X	MG R	6.8kΩ 1/16W J
R0639	NRS463J-103X	MG R	10kΩ 1/16W J
R0647	NRS463J-101X	MG R	100Ω 1/16W J
R0648	NRS463J-101X	MG R	100Ω 1/16W J

CAPACITOR			
C0101	NCB31HK-152X	C CAP.	1500pF 50V K
C0102	QETNLCM-477Z	E CAP.	470pF 16V M
C0103	QETNLCM-106Z	E CAP.	10pF 50V M
C0104	QETNLCM-106Z	E CAP.	10pF 50V M
C0105	QETNLCM-106Z	E CAP.	10pF 50V M
C0106	NCB31HK-472X	C CAP.	4700pF 50V K
C0107	NCB31HK-152X	C CAP.	1500pF 50V K
C0108	NCB31HK-472X	C CAP.	4700pF 50V K
C0109	NCB31HK-152X	C CAP.	1500pF 50V K
C0110	QETNLCM-477Z	E CAP.	470pF 16V M
C0111	NCB31HK-472X	C CAP.	4700pF 50V K
C0112	NCB31HK-472X	C CAP.	4700pF 50V K
C0113	NCB31HK-152X	C CAP.	1500pF 50V K
C0114	NCB31HK-472X	C CAP.	4700pF 50V K
C0115	NCB31HK-472X	C CAP.	4700pF 50V K
C0116	QETNLCM-106Z	E CAP.	10pF 50V M
C0117	QETNLCM-106Z	E CAP.	10pF 50V M
C0118	NCB31HK-102X	C CAP.	1000pF 50V K
C0119	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0120	QETNLCM-106Z	E CAP.	10pF 50V M
C0121	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0122	NCB31HK-103X	C CAP.	0.01pF 50V K
C0123	NCB31HK-102X	C CAP.	1000pF 50V K
C0124	QETNLCM-106Z	E CAP.	10pF 50V M
C0125	QETNLCM-106Z	E CAP.	10pF 50V M
C0126	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0127	QETNLCM-106Z	E CAP.	10pF 50V M
C0128	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0129	QETNLCM-106Z	E CAP.	10pF 50V M
C0130	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0131	NCB31HK-102X	C CAP.	1000pF 50V K
C0132	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0133	NCB31HK-103X	C CAP.	0.01pF 50V K
C0136	QETNLCM-106Z	E CAP.	10pF 50V M
C0137	QENCLEM-106Z	BP E CAP.	10pF 25V M
C0139	QENCLEM-106Z	BP E CAP.	10pF 25V M
C0140	QETNLCM-107Z	E CAP.	100pF 16V M
C0141	NCB31HK-103X	C CAP.	0.01pF 50V K
C0142	NCF31AZ-105X	C CAP.	1pF 10V Z
C0143	QENCLEM-106Z	BP E CAP.	10pF 25V M
C0144	NCF31AZ-105X	C CAP.	1pF 10V Z
C0145	QETNLCM-107Z	E CAP.	100pF 16V M
C0146	QETNLCM-107Z	E CAP.	100pF 16V M
C0147	QETNLCM-477Z	E CAP.	470pF 16V M
C0149	NCB31HK-103X	C CAP.	0.01pF 50V K
C0150	QETNLCM-106Z	E CAP.	10pF 50V M
C0151	QETNLCM-106Z	E CAP.	10pF 50V M
C0152	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0153	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0154	NDC31HJ-680X	C CAP.	68pF 50V J
C0155	NDC31HJ-680X	C CAP.	68pF 50V J
C0157	NDC31HJ-680X	C CAP.	68pF 50V J
C0158	NDC31HJ-680X	C CAP.	68pF 50V J
C0616	QETNLCM-107Z	E CAP.	100pF 16V M
C0617	NCB31CK-104X	C CAP.	0.1pF 16V K
C0618	QETNLCM-106Z	E CAP.	10pF 50V M
C0619	NCB31CK-104X	C CAP.	0.1pF 16V K
C0620	QETNLCM-106Z	E CAP.	10pF 50V M
C0621	NCF21CZ-105X	C CAP.	1pF 16V Z
C0622	NCF21CZ-105X	C CAP.	1pF 16V Z
C0623	NCB31CK-104X	C CAP.	0.1pF 16V K
C0624	QETNLCM-106Z	E CAP.	10pF 50V M
C0629	QETNLCM-106Z	E CAP.	10pF 50V M
C0630	NCB31HK-102X	C CAP.	1000pF 50V K
C0631	NCB31HK-102X	C CAP.	1000pF 50V K
C0632	NCB31CK-104X	C CAP.	0.1pF 16V K
C0633	QETNLCM-106Z	E CAP.	10pF 50V M
C0634	NCB31HK-103X	C CAP.	0.01pF 50V K
C0635	NCB31HK-103X	C CAP.	0.01pF 50V K
C0636	NDC31HJ-2R0X	C CAP.	2.0pF 50V J
C0642	NDC31HJ-2R0X	C CAP.	2.0pF 50V J

Symbol No.	Part No.	Part Name	Description
CAPACITOR			
C0645	NCB31HK-103X	C CAP.	0.01pF 50V K
C0646	NCB31CK-104X	C CAP.	0.1pF 16V K
C0647	QETNLCM-107Z	E CAP.	100pF 16V M
C0648	NCB31CK-104X	C CAP.	0.1pF 16V K
C0649	QETNLCM-107Z	E CAP.	100pF 16V M
C0650	NDC31HJ-221X	C CAP.	220pF 50V J
C0651	NCB31HK-562X	C CAP.	5600pF 50V K
C0652	QETNLCM-476Z	E CAP.	47pF 25V M
C0653	NDC31HJ-221X	C CAP.	220pF 50V J
C0654	NCB31HK-562X	C CAP.	5600pF 50V K
C0659	NCF21CZ-105X	C CAP.	1pF 16V Z
C0660	NCF21CZ-105X	C CAP.	1pF 16V Z
C0677	NCB31HK-102X	C CAP.	1000pF 50V K
C0678	NCB31HK-102X	C CAP.	1000pF 50V K

COIL			
L0114	QQR0716-001Z	FERRITE BEADS	
L0608	QRN143J-0R0X	C R	0.0Ω 1/4W J
L0609	QQL244K-4R7Z	COIL	4.7μH K

DIODE			
D0101	MA3120/M/-X	Z DIODE	
D0102	MA3120/M/-X	Z DIODE	
D0103	MA3120/M/-X	Z DIODE	
D0104	MA3120/M/-X	Z DIODE	
D0105	MA3120/M/-X	Z DIODE	
D0106	MA3120/M/-X	Z DIODE	
D0107	MA3120/M/-X	Z DIODE	
D0108	MA3120/M/-X	Z DIODE	
D0109	MA3120/M/-X	Z DIODE	
D0110	MA3120/M/-X	Z DIODE	
D0111	MA3120/M/-X	Z DIODE	
D0112	MA3120/M/-X	Z DIODE	
D0113	MA3120/M/-X	Z DIODE	
D0601	RD8.2E/B2/-T2	Z DIODE	

TRANSISTOR			
Q0101	DTC323TK-X	DIGI TRANSISTOR	
Q0102	2SA1037AK/QR/-X	TRANSISTOR	
Q0103	DTC323TK-X	DIGI TRANSISTOR	
Q0104	2SC2412K/QR/-X	TRANSISTOR	
Q0105	2SC2412K/QR/-X	TRANSISTOR	
Q0106	2SC2412K/QR/-X	TRANSISTOR	
Q0107	2SC2412K/QR/-X	TRANSISTOR	
Q0108	2SA1037AK/QR/-X	TRANSISTOR	
Q0109	DTC323TK-X	DIGI TRANSISTOR	
Q0110	DTC323TK-X	DIGI TRANSISTOR	
Q0111	2SC2412K/QR/-X	TRANSISTOR	
Q0112	2SC2412K/QR/-X	TRANSISTOR	
Q0116	2SA93A5/QR/-T	TRANSISTOR	
Q0118	2SC1740S/QR/-T	TRANSISTOR	
Q0119	2SC2412K/QR/-X	TRANSISTOR	
Q0120	2SC2412K/QR/-X	TRANSISTOR	

IC			
IC0101	CXA2089Q-X	IC	
IC0603	MSP3415DQGB3GHX	IC	
IC0604	BA4558F-X	IC	

OTHERS			
CN0006	QGB1505K1-50	B TO B CONNE	
J0001	QNZ0465-001	21P CONNECTOR	
J0002	QNZ0463-001	21P CONNECTOR	
K0101	CE42681-001Y	CHIP BEADS CORE	
K0102	CE42681-001Y	CHIP BEADS CORE	
K0103	CE42681-001Y	CHIP BEADS CORE	
K0104	CE42681-001Y	CHIP BEADS CORE	
K0601	NOR089-003X	FERRITE BEADS	
K0602	NOR089-003X	FERRITE BEADS	
LC0601	NOR031-001X	EMI FILTER	
X0601	CE42646-001Z	X TAL	

EXPLODED VIEW PARTS LIST (1)

△ Ref.No. Part No. Part Name Description

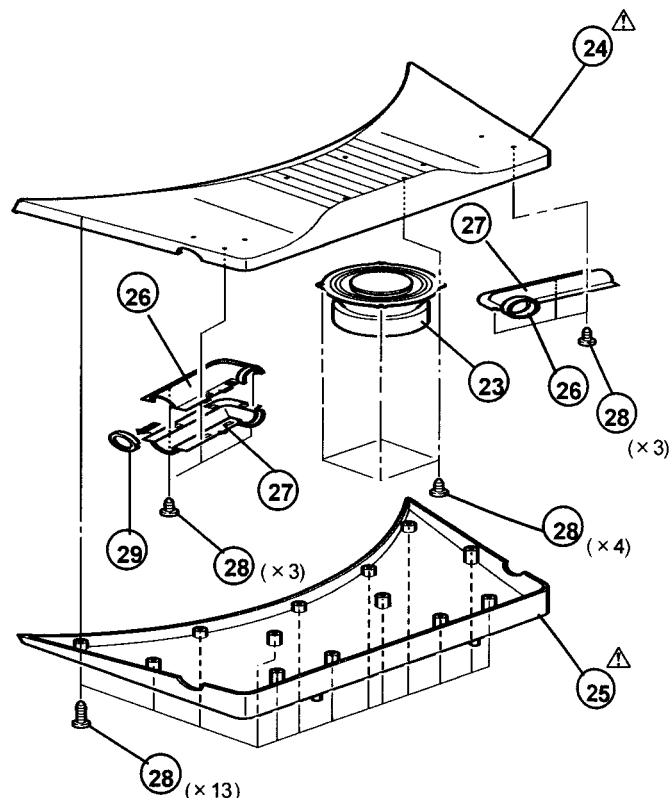
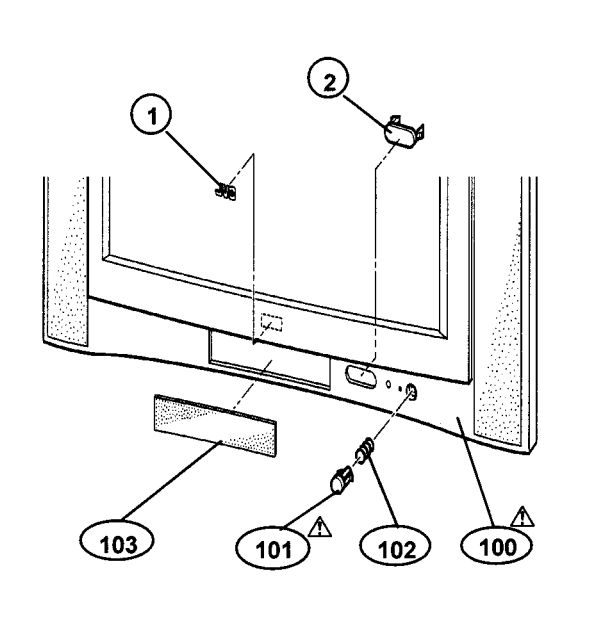
AV32R25EKS

1	LC41250-002C-C	JVC MARK	
2	LC31851-001A-C	WINDOW	
△ 100	LC11360-001B-U	F CAB I ASSY	Inc. No. 101~103
△ 101	LC31201-003A-U	POWER KNOB	(SERVICE)
102	AEM3149-001-E	SPRING	
103	LC21031-001A-U	SPEAKER PANEL	
23	QAS0092-001	SPEAKER	SP04
△ 24	LC11308-001A-U	SP BOX T	
△ 25	LC11309-001A-U	SP BOX B	
26	GG20007-002C-H	BASS INT. DUCT L	(x2)
27	GG20007-001C-H	BASS INT. DUCT R	(x2)
28	QY SBS AG4016N	TAP SCREW	(x23)
29	LC31935-001A-C	PORT SPACER	(x2)

AV32R250EKS

1	LC41250-001A-C	JVC MARK	
2	LC31851-001A-C	WINDOW	
△ 100	LC11360-001A-U	F CAB I ASSY	Inc. No. 101~103
△ 101	LC31201-003A-U	POWER KNOB	(SERVICE)
102	AEM3149-001-E	SPRING	
103	LC21031-001A-U	SPEAKER PANEL	
23	QAS0092-001	SPEAKER	SP04
△ 24	LC11308-001A-U	SP BOX T	
△ 25	LC11309-001A-U	SP BOX B	
26	GG20007-002C-H	BASS INT. DUCT L	(x2)
27	GG20007-001C-H	BASS INT. DUCT R	(x2)
28	QY SBS AG4016N	TAP SCREW	(x23)
29	LC31935-001A-C	PORT SPACER	(x2)

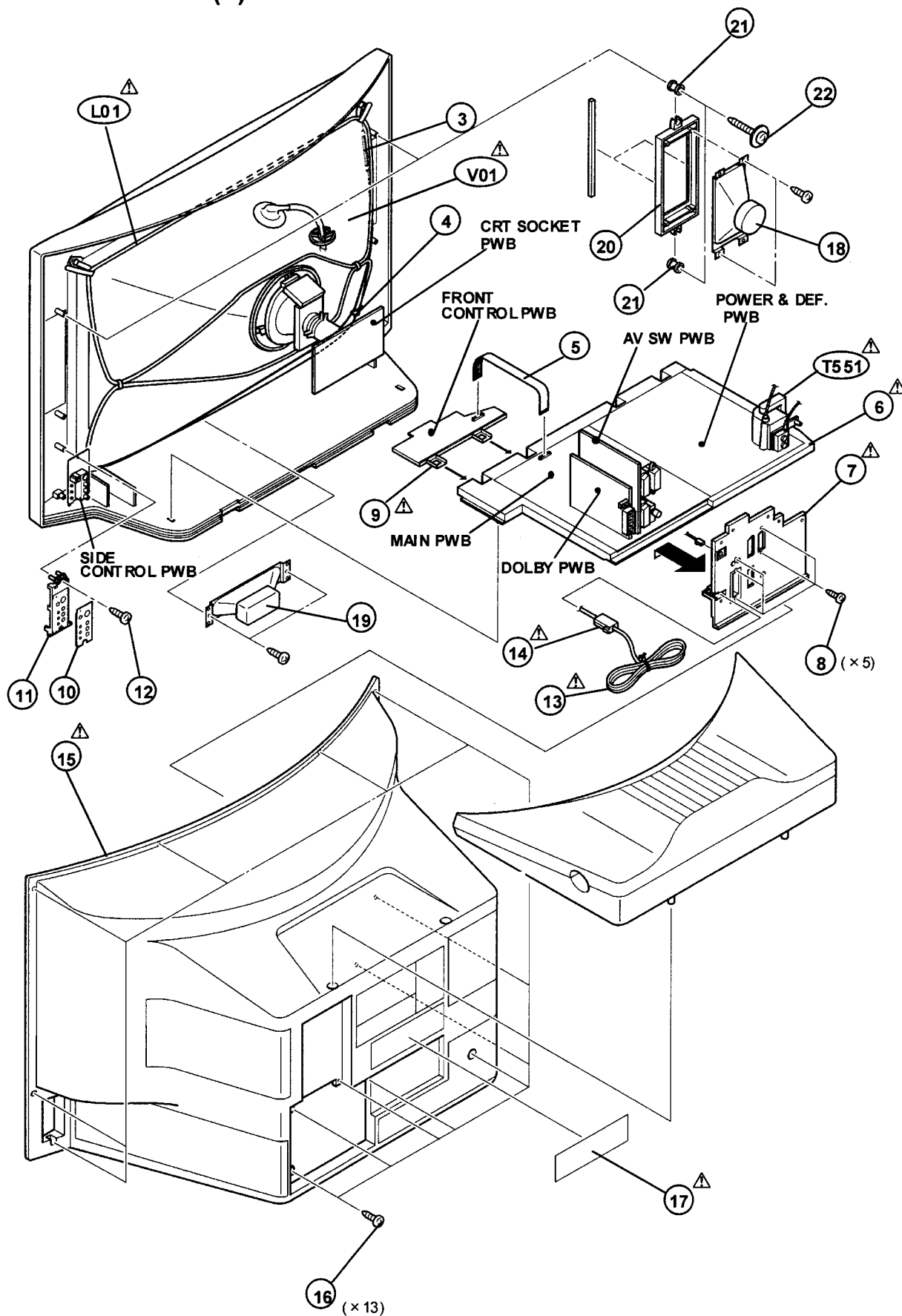
EXPLODED VIEW (1)



EXPLODED VIEW PARTS LIST (2)

△ Ref.No.	Part No.	Part Name	Description
AV32R25EKS			
△ V01	W760DD257X08	ITC	Inc. DY, PC MAGNET, WEDGE
△ L01	QQW0105-001	DEG COIL	
△ T551	QQH0130-001	FBT	
3	WJY0001-010A	E-BRAIDED ASSY	
4	WJY0013-002A	E-BRAIDED SUB ASSY	
5	CHFD119-14BD-N	FFC WIRE	CN-1
△ 6	LC10716-002F-U	CHASSIS BASE	
△ 7	LC11336-001B-U	AV BOARD	
8	QYSBSF3012M	TAP SCREW	(x5)
△ 9	LC11311-002A-U	CONTROL BASE	
10	LC31205-001B	CONTROL SHEET	
11	LC10856-001C-U	SIDE CONT BASE	
12	QYSBSAG4016N	TAP SCREW	
△ 13	QMPN130-185-JC	POWER CORD	CN-PW
△ 14	CM46618-A01-E	POWER CORD CLMP	
△ 15	LC11316-001A-U	REAR COVER	
16	QYSBSAG4016N	TAP SCREW	(x13)
△ 17	LC11364-002A-U	RATING LABEL	
18	QAS0109-001	SPEAKER	SP01-02 (x2)
19	QAS0110-001	SPEAKER	SP03
20	LC11310-001A-U	SPEAKER ADAPTER	(x2)
21	LC40226-003A-H	SPACER	(x4)
22	LC40506-001A	TAP SCREW	(x4)
AV32R250EKS			
△ V01	W760DD257X08	ITC	Inc. DY, PC MAGNET, WEDGE
△ L01	QQW0105-001	DEG COIL	
△ T551	QQH0130-001	FBT	
3	WJY0001-010A	E-BRAIDED ASSY	
4	WJY0013-002A	E-BRAIDED SUB ASSY	
5	QUQ212-1920CL	FFC WIRE	CN-1
△ 6	LC10716-002F-U	CHASSIS BASE	
△ 7	LC11336-001B-U	AV BOARD	
8	QYSBSF3012M	TAP SCREW	(x5)
△ 9	LC11311-002A-U	CONTROL BASE	
10	LC31205-001B	CONTROL SHEET	
11	LC10856-001C-U	SIDE CONT BASE	
12	QYSBSAG4016N	TAP SCREW	
△ 13	QMPN130-185-JC	POWER CORD	CN-PW
△ 14	CM46618-A01-E	POWER CORD CLMP	
△ 15	LC11316-001A-U	REAR COVER	
16	QYSBSAG4016N	TAP SCREW	(x13)
△ 17	LC11364-0015A-U	RATING LABEL	
18	QAS0109-001	SPEAKER	SP01-02 (x2)
19	QAS0110-001	SPEAKER	SP03
20	LC11310-001A-U	SPEAKER ADAPTER	(x2)
21	LC40226-003A-H	SPACER	(x4)
22	LC40506-001A	TAP SCREW	(x4)

EXPLODED VIEW (2)



AV32R25EKS / AV32R250EKS

PRINTED WIRING BOARD PARTS LIST

■ MAIN P.W. BOARD ASS'Y (S JL-1008A-U2)

Symbol No.	Part No.	Part Name	Description
RESISTOR			
R002	NRSAG3J-101X	MG R	100Ω 1/16W J
R003	NRSAG3J-101X	MG R	100Ω 1/16W J
R006	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R007	NRSAG3J-103X	MG R	10kΩ 1/16W J
R008	NRSAG3J-103X	MG R	10kΩ 1/16W J
R011	NRSAG3J-102X	MG R	1kΩ 1/16W J
R304	QRG01GJ-121	OM R	120Ω 1/16W J
R305	NRSAG3J-562X	MG R	5.6kΩ 1/16W J
R306	NRSAG3J-222X	MG R	2.2kΩ 1/16W J
R307	NRSAG3J-102X	MG R	1kΩ 1/16W J
R308	NRSAG3J-471X	MG R	470Ω 1/16W J
R309	NRSAG3J-222X	MG R	2.2kΩ 1/16W J
R310	NRSAG3J-391X	MG R	390Ω 1/16W J
R311	NRSAG3J-391X	MG R	390Ω 1/16W J
R312	NRSAG3J-101X	MG R	100Ω 1/16W J
R313	NRSAG3J-101X	MG R	100Ω 1/16W J
R314	NRSAG3J-562X	MG R	5.6kΩ 1/16W J
R316	NRSAG3J-224X	MG R	220kΩ 1/16W J
R317	NRSAG3J-101X	MG R	100Ω 1/16W J
R321	NRSAG3J-102X	MG R	1kΩ 1/16W J
R327	NRSAG3J-471X	MG R	470Ω 1/16W J
R330	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R331	NRSAG3J-152X	MG R	1.5kΩ 1/16W J
R332	NRSAG3J-332X	MG R	3.3kΩ 1/16W J
R333	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R335	NRSAG3J-273X	MG R	27kΩ 1/16W J
R336	NRSAG3J-103X	MG R	10kΩ 1/16W J
R337	NRSAG3J-102X	MG R	1kΩ 1/16W J
R340	NRSAG3J-103X	MG R	10kΩ 1/16W J
R341	NRSAG3J-103X	MG R	10kΩ 1/16W J
R342	NRSAG3J-152X	MG R	1.5kΩ 1/16W J
R344	NRSAG3J-102X	MG R	1kΩ 1/16W J
R345	NRSAG3J-562X	MG R	5.6kΩ 1/16W J
R346	NRSAG3J-333X	MG R	33kΩ 1/16W J
R401	NRSAG3J-103X	MG R	10kΩ 1/16W J
R402	NRSAG3J-103X	MG R	10kΩ 1/16W J
R403	NRSAG3J-102X	MG R	1kΩ 1/16W J
R404	NRSAG3J-183X	MG R	18kΩ 1/16W J
R405	NRSAG3J-223X	MG R	22kΩ 1/16W J
R409	NRSAG3J-0R0X	MG R	0.0Ω 1/16W J
R411	NRSAG3J-473X	MG R	47kΩ 1/16W J
R413	NRSAG3J-223X	MG R	22kΩ 1/16W J
R414	NRSAG3J-101X	MG R	100Ω 1/16W J
R415	NRSAG3J-562X	MG R	5.6kΩ 1/16W J
R416	NRSAG3J-101X	MG R	100Ω 1/16W J
R417	NRSAG3J-223X	MG R	22kΩ 1/16W J
R418	NRSAG3J-682X	MG R	6.8kΩ 1/16W J
R419	NRSAG3J-562X	MG R	5.6kΩ 1/16W J
R420	NRSAG3J-123X	MG R	12kΩ 1/16W J
R502	NRSAG3J-103X	MG R	10kΩ 1/16W J
R503	NRSAG3J-104X	MG R	100kΩ 1/16W J
R504	NRSAG3J-822X	MG R	8.2kΩ 1/16W J
R505	NRSAG3J-221X	MG R	220Ω 1/16W J
R506	NRSAG3J-221X	MG R	220Ω 1/16W J
R507	NRSAG3J-102X	MG R	1kΩ 1/16W J
R508	NRSAG3J-223X	MG R	22kΩ 1/16W J
R509	NRSAG3J-223X	MG R	22kΩ 1/16W J
R511	NRSAG3J-0R0X	MG R	0.0Ω 1/16W J
R514	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R516	NRSAG3J-222X	MG R	2.2kΩ 1/16W J
R517	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R518	NRSAG3J-682X	MG R	6.8kΩ 1/16W J
R519	NRSAG3J-562X	MG R	5.6kΩ 1/16W J
R520	NRSAG3J-152X	MG R	1.5kΩ 1/16W J
R551	QRK126J-100X	C R	10Ω 1/2W J
R552	NRSAG3J-124X	MG R	120kΩ 1/16W J
R553	NRSAG3J-683X	MG R	68kΩ 1/16W J
R554	NRSAG3J-333X	MG R	33kΩ 1/16W J
R555	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R556	NRSAG3J-154X	MG R	150kΩ 1/16W J
R557	NRSAG3J-562X	MG R	5.6kΩ 1/16W J
R558	NRSAG3J-562X	MG R	5.6kΩ 1/16W J

Symbol No.	Part No.	Part Name	Description
RESISTOR			
R560	NRSAG3J-104X	MG R	100kΩ 1/16W J
R561	QRK121J-100Y	C R	10Ω 1/2W J
R571	NRSAG3J-101X	MG R	100Ω 1/16W J
R572	NRSAG3J-223X	MG R	22kΩ 1/16W J
R573	NRSAG3J-821X	MG R	82kΩ 1/16W J
R574	NRSAG3J-333X	MG R	33kΩ 1/16W J
R601	NRSAG3J-0R0X	MG R	0.0Ω 1/16W J
R603	NRSAG3J-0R0X	MG R	0.0Ω 1/16W J
R605	NRSAG3J-0R0X	MG R	0.0Ω 1/16W J
R607	NRSAG3J-103X	MG R	10kΩ 1/16W J
R608	NRSAG3J-103X	MG R	10kΩ 1/16W J
R609	NRSAG3J-103X	MG R	10kΩ 1/16W J
R613	NRSAG3J-104X	MG R	100kΩ 1/16W J
R617	NRSAG3J-103X	MG R	10kΩ 1/16W J
R618	NRSAG3J-822X	MG R	8.2kΩ 1/16W J
R619	NRSAG3J-473X	MG R	47kΩ 1/16W J
R620	NRSAG3J-153X	MG R	15kΩ 1/16W J
R621	NRSAG3J-222X	MG R	2.2kΩ 1/16W J
R622	NRSAG3J-822X	MG R	8.2kΩ 1/16W J
R623	NRSAG3J-103X	MG R	10kΩ 1/16W J
R624	NRSAG3J-473X	MG R	47kΩ 1/16W J
R625	NRSAG3J-682X	MG R	6.8kΩ 1/16W J
R626	NRSAG3J-104X	MG R	100kΩ 1/16W J
R627	NRSAG3J-272X	MG R	2.7kΩ 1/16W J
R628	NRSAG3J-104X	MG R	100kΩ 1/16W J
R629	NRSAG3J-682X	MG R	6.8kΩ 1/16W J
R630	NRSAG3J-104X	MG R	100kΩ 1/16W J
R631	NRSAG3J-103X	MG R	10kΩ 1/16W J
R632	NRSAG3J-103X	MG R	10kΩ 1/16W J
R633	NRSAG3J-103X	MG R	10kΩ 1/16W J
R637	NRSAG3J-104X	MG R	100kΩ 1/16W J
R638	NRSAG3J-103X	MG R	10kΩ 1/16W J
R639	NRSAG3J-473X	MG R	47kΩ 1/16W J
R640	NRSAG3J-822X	MG R	8.2kΩ 1/16W J
R641	NRSAG3J-103X	MG R	10kΩ 1/16W J
R642	NRSAG3J-473X	MG R	47kΩ 1/16W J
R643	NRSAG3J-822X	MG R	8.2kΩ 1/16W J
R644	NRSAG3J-153X	MG R	15kΩ 1/16W J
R645	NRSAG3J-222X	MG R	2.2kΩ 1/16W J
R646	NRSAG3J-273X	MG R	27kΩ 1/16W J
R647	NRSAG3J-473X	MG R	47kΩ 1/16W J
R648	NRSAG3J-103X	MG R	10kΩ 1/16W J
R702	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R704	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R705	NRSAG3J-103X	MG R	10kΩ 1/16W J
R707	NRSAG3J-103X	MG R	10kΩ 1/16W J
R708	NRSAG3J-103X	MG R	10kΩ 1/16W J
R709	NRSAG3J-103X	MG R	10kΩ 1/16W J
R710	NRSAG3J-103X	MG R	10kΩ 1/16W J
R712	NRSAG3J-103X	MG R	10kΩ 1/16W J
R713	NRSAG3J-103X	MG R	10kΩ 1/16W J
R714	NRSAG3J-101X	MG R	100Ω 1/16W J
R715	NRSAG3J-101X	MG R	100Ω 1/16W J
R716	NRSAG3J-101X	MG R	100Ω 1/16W J
R717	NRSAG3J-101X	MG R	100Ω 1/16W J
R718	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R719	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R720	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R721	NRSAG3J-221X	MG R	220Ω 1/16W J
R722	NRSAG3J-221X	MG R	220Ω 1/16W J
R723	NRSAG3J-221X	MG R	220Ω 1/16W J
R724	NRSAG3J-221X	MG R	220Ω 1/16W J
R725	NRSAG3J-221X	MG R	220Ω 1/16W J
R726	NRSAG3J-683X	MG R	68kΩ 1/16W J
R728	NRSAG3J-101X	MG R	100Ω 1/16W J
R729	NRSAG3J-101X	MG R	100Ω 1/16W J
R730	NRSAG3J-183X	MG R	18kΩ 1/16W J
R731	NRSAG3J-183X	MG R	18kΩ 1/16W J
R732	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R733	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R734	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R735	NRSAG3J-223X	MG R	22kΩ 1/16W J

Symbol No.	Part No.	Part Name	Description
RESISTOR			
R736	NRS463J-223X	MG R	22kΩ 1/16W J
R737	NRS463J-103X	MG R	10kΩ 1/16W J
R738	NRS463J-103X	MG R	10kΩ 1/16W J
R739	NRS463J-473X	MG R	47kΩ 1/16W J
R740	NRS463J-332X	MG R	3.3kΩ 1/16W J
R741	NRS463J-101X	MG R	100Ω 1/16W J
R742	NRS463J-223X	MG R	22kΩ 1/16W J
R743	NRS463J-391X	MG R	390Ω 1/16W J
R744	NRS463J-471X	MG R	470Ω 1/16W J
R745	NRS463J-182X	MG R	1.8kΩ 1/16W J
R746	NRS463J-473X	MG R	47kΩ 1/16W J
R747	NRS463J-682X	MG R	6.8kΩ 1/16W J
R748	NRS463J-153X	MG R	15kΩ 1/16W J
R749	NRS463J-223X	MG R	22kΩ 1/16W J
R750	NRS463J-473X	MG R	47kΩ 1/16W J
R751	NRS463J-562X	MG R	5.6kΩ 1/16W J
R752	NRS463J-103X	MG R	10kΩ 1/16W J
R753	NRS463J-223X	MG R	22kΩ 1/16W J
R757	NRS463J-102X	MG R	1kΩ 1/16W J
R758	NRS463J-0R0X	MG R	0.0Ω 1/16W J
R759	NRS463J-0R0X	MG R	0.0Ω 1/16W J
R760	NRS463J-0R0X	MG R	0.0Ω 1/16W J
R761	NRS463J-473X	MG R	47kΩ 1/16W J
R762	NRS463J-473X	MG R	47kΩ 1/16W J
R763	NRS463J-823X	MG R	82kΩ 1/16W J
R764	NRS463J-104X	MG R	100kΩ 1/16W J
R765	NRS463J-103X	MG R	10kΩ 1/16W J
R766	NRS463J-222X	MG R	2.2kΩ 1/16W J
R767	NRS463J-103X	MG R	10kΩ 1/16W J
R768	NRS463J-0R0X	MG R	0.0Ω 1/16W J
R769	NRS463J-183X	MG R	18kΩ 1/16W J
R771	NRS463J-102X	MG R	1kΩ 1/16W J
R772	NRS463J-104X	MG R	100kΩ 1/16W J
R773	NRS463J-221X	MG R	220Ω 1/16W J
R774	NRS463J-473X	MG R	47kΩ 1/16W J
R775	NRS463J-102X	MG R	1kΩ 1/16W J
R776	NRS463J-473X	MG R	47kΩ 1/16W J
R777	NRS463J-102X	MG R	1kΩ 1/16W J
R778	NRS463J-152X	MG R	1.5kΩ 1/16W J
R779	NRS463J-273X	MG R	27kΩ 1/16W J
R780	NRS463J-103X	MG R	10kΩ 1/16W J
R781	NRS463J-103X	MG R	10kΩ 1/16W J
R782	NRS463J-103X	MG R	10kΩ 1/16W J
R783	NRS463J-103X	MG R	10kΩ 1/16W J
R784	NRS463J-333X	MG R	33kΩ 1/16W J
R785	NRS463J-184X	MG R	180kΩ 1/16W J
R787	NRS463J-333X	MG R	33kΩ 1/16W J
R788	NRS463J-332X	MG R	3.3kΩ 1/16W J
R789	NRS463J-103X	MG R	10kΩ 1/16W J
R790	NRS463J-102X	MG R	1kΩ 1/16W J
R791	NRS463J-152X	MG R	1.5kΩ 1/16W J
R792	NRS463J-103X	MG R	10kΩ 1/16W J
R793	NRS463J-102X	MG R	1kΩ 1/16W J

CAPACITOR

C001	NCB31HK-222X	C CAP.	220pF 50V K
C002	QETNLMH-106Z	E CAP.	10μF 50V M
C004	NCB31CK-104X	C CAP.	0.1μF 16V K
C005	QETNLCM-108Z	E CAP.	1000μF 16V M
C006	NCB31HK-103X	C CAP.	0.01μF 50V K
C007	QETNLMH-106Z	E CAP.	10μF 50V M
C008	NCB31CK-104X	C CAP.	0.1μF 16V K
C009	QETNLMH-106Z	E CAP.	10μF 50V M
C011	QETNLMH-106Z	E CAP.	10μF 50V M
C012	NCB31HK-103X	C CAP.	0.01μF 50V K
C013	NCB31HK-103X	C CAP.	0.01μF 50V K
C301	NCB31CK-104X	C CAP.	0.1μF 16V K
C302	NCB31CK-683X	C CAP.	0.068μF 16V K
C303	QETNLEM-476Z	E CAP.	47μF 25V M
C304	NCB31HK-103X	C CAP.	0.01μF 50V K
C305	QETNLCM-107Z	E CAP.	100μF 16V M
C306	NCB31HK-103X	C CAP.	0.01μF 50V K
C307	QETNLCM-477Z	E CAP.	470μF 16V M
C308	NDC31HJ-120X	C CAP.	12pF 50V J
C309	QETNLMH-475Z	E CAP.	4.7μF 50V M
C310	NCB31HK-103X	C CAP.	0.01μF 50V K
C311	QETNLMH-106Z	E CAP.	10μF 50V M

Symbol No.	Part No.	Part Name	Description
CAPACITOR			
C312	NDC31HJ-680X	C CAP.	68pF 50V J
C313	QETNLCM-107Z	E CAP.	100μF 16V M
C314	NCB31HK-103X	C CAP.	0.01μF 50V K
C315	QETNLMH-106Z	E CAP.	10μF 50V M
C319	QETNLCM-107Z	E CAP.	100μF 16V M
C320	NCB31HK-103X	C CAP.	0.01μF 50V K
C321	NCB31CK-104X	C CAP.	0.1μF 16V K
C322	NCB31CK-104X	C CAP.	0.1μF 16V K
C323	NCB31CK-104X	C CAP.	0.1μF 16V K
C324	QETNLMH-105Z	E CAP.	1.0μF 50V M
C325	QETNLMH-105Z	E CAP.	1.0μF 50V M
C326	QETNLMH-105Z	E CAP.	1.0μF 50V M
C327	QETNLMH-475Z	E CAP.	4.7μF 50V M
C328	QETNLEM-476Z	E CAP.	47μF 25V M
C329	NDC31HJ-390X	C CAP.	39pF 50V J
C330	NDC31HJ-390X	C CAP.	39pF 50V J
C331	QETNLMH-105Z	E CAP.	1.0μF 50V M
C332	NCB31HK-103X	C CAP.	0.01μF 50V K
C333	NCB31EK-104X	C CAP.	0.1μF 25V K
C334	QETNLMH-106Z	E CAP.	10μF 50V M
C401	QETNLMH-105Z	E CAP.	1.0μF 50V M
C403	NCB31HK-103X	C CAP.	0.01μF 50V K
C404	NCB31HK-103X	C CAP.	0.01μF 50V K
C405	NCB31HK-103X	C CAP.	0.01μF 50V K
C406	QFVFIHJ-184Z	MF CAP.	0.18μF 50V J
C407	QFVFIHJ-824Z	MF CAP.	0.82μF 50V J
C408	NCB31HK-153X	C CAP.	0.015μF 50V K
C501	QETNLCM-107Z	E CAP.	100μF 16V M
C502	NCB31HK-103X	C CAP.	0.01μF 50V K
C503	NCB31HK-103X	C CAP.	0.01μF 50V K
C504	NCB31HK-103X	C CAP.	0.01μF 50V K
C505	NCB31HK-332X	C CAP.	3300pF 50V K
C506	QETNLMH-335Z	E CAP.	3.3μF 50V M
C507	NCB31HK-103X	C CAP.	0.01μF 50V K
C508	QETNLCM-108Z	E CAP.	1000μF 16V M
C509	QFLCIHJ-823Z	M CAP.	0.082μF 50V J
C510	NCB31HK-103X	C CAP.	0.01μF 50V K
C511	NCB31HK-103X	C CAP.	0.01μF 50V K
C512	QETNLMH-105Z	E CAP.	1.0μF 50V M
C513	QETNLCM-228Z	E CAP.	2200μF 16V M
C514	NCB31HK-103X	C CAP.	0.01μF 50V K
C515	QFVFIHJ-394Z	MF CAP.	0.39μF 50V J
C516	NCB31HK-103X	C CAP.	0.01μF 50V K
C551	NCF31CZ-224X	C CAP.	0.22μF 16V Z
C552	NCF31CZ-224X	C CAP.	0.22μF 16V Z
C553	QETNLEM-476Z	E CAP.	47μF 25V M
C554	NCF31CZ-224X	C CAP.	0.22μF 16V Z
C555	NCF31CZ-224X	C CAP.	0.22μF 16V Z
C571	NCB31HK-103X	C CAP.	0.01μF 50V K
C601	QETNLMH-106Z	E CAP.	10μF 50V M
C602	QETNLMH-106Z	E CAP.	10μF 50V M
C603	QETNLMH-106Z	E CAP.	10μF 50V M
C604	QETNLMH-107Z	E CAP.	100μF 50V M
C611	QETNLEM-108Z	E CAP.	1000μF 25V M
C612	QETNLEM-108Z	E CAP.	1000μF 25V M
C613	QETNLEM-108Z	E CAP.	1000μF 25V M
C614	QETNLMH-106Z	E CAP.	10μF 50V M
C615	QETNLMH-106Z	E CAP.	10μF 50V M
C616	QETNLMH-106Z	E CAP.	10μF 50V M
C617	QETNLMH-106Z	E CAP.	10μF 50V M
C618	QETNLMH-106Z	E CAP.	10μF 50V M
C619	QETNLMH-106Z	E CAP.	10μF 50V M
C620	QETNLMH-107Z	E CAP.	100μF 50V M
C621	QETNLMV-228	E CAP.	2200μF 35V M
C628	QETNLEM-108Z	E CAP.	1000μF 25V M
C629	QETNLEM-338	E CAP.	3300μF 25V M
C630	QETNLEM-108Z	E CAP.	1000μF 25V M
C631	QETNLMH-106Z	E CAP.	10μF 50V M
C632	QETNLMH-106Z	E CAP.	10μF 50V M
C633	QETNLMH-106Z	E CAP.	10μF 50V M
C634	QETNLCM-227Z	E CAP.	220μF 16V M
C636	QETNLMV-228	E CAP.	2200μF 35V M
C637	QETNLCM-227Z	E CAP.	220μF 16V M
C675	QETNLCM-107Z	E CAP.	100μF 16V M
C676	NCB31CK-104X	C CAP.	0.1μF 16V K
C677	NCB31CK-104X	C CAP.	0.1μF 16V K
C702	NCB31HK-103X	C CAP.	0.01μF 50V K
C703	QETNLMV-477Z	E CAP.	470μF 35V M

AV32R25EKS
AV32R250EKS

Symbol No.	Part No.	Part Name	Description
CAPACITOR			
C704	NCB31CK-104X	C CAP.	0.1μF 16V K
C705	NCB31CK-104X	C CAP.	0.1μF 16V K
C706	QETN1AM-227Z	E CAP.	220μF 10V M
C707	NCB31CK-104X	C CAP.	0.1μF 16V K
C708	QETN1AM-107Z	E CAP.	100μF 10V M
C709	NCB31CK-104X	C CAP.	0.1μF 16V K
C710	QETN1AM-107Z	E CAP.	100μF 10V M
C711	QETN1AM-227Z	E CAP.	220μF 10V M
C712	QETN1AM-227Z	E CAP.	220μF 10V M
C713	NCB31CK-104X	C CAP.	0.1μF 16V K
C714	NCB31CK-104X	C CAP.	0.1μF 16V K
C715	NDC31HJ-561X	C CAP.	560pF 50V J
C716	NCB31CK-104X	C CAP.	0.1μF 16V K
C717	NCB31CK-104X	C CAP.	0.1μF 16V K
C718	QENC1EM-106Z	BP E CAP.	10μF 25V M
C721	QETN1HM-105Z	E CAP.	1.0μF 50V M
C722	QETN1HM-106Z	E CAP.	10μF 50V M
C723	QETN1HM-106Z	E CAP.	10μF 50V M
C724	QETN1HM-106Z	E CAP.	10μF 50V M
C725	NCB31CK-104X	C CAP.	0.1μF 16V K
C726	NCB31CK-104X	C CAP.	0.1μF 16V K
C727	NCB31CK-104X	C CAP.	0.1μF 16V K
C728	NCB31CK-104X	C CAP.	0.1μF 16V K
C729	NCB31EK-333X	C CAP.	0.033μF 25V K
C730	NDC31HJ-151X	C CAP.	150pF 50V J
C732	NDC31HJ-330X	C CAP.	33pF 50V J
C733	NDC31HJ-390X	C CAP.	39pF 50V J
C734	NCB31CK-104X	C CAP.	0.1μF 16V K
C735	NCB31EK-333X	C CAP.	0.033μF 25V K
C736	NCB31HK-102X	C CAP.	1000pF 50V K
C737	NCB31CK-104X	C CAP.	0.1μF 16V K
C738	NDC31HJ-151X	C CAP.	150pF 50V J
C739	NCF31AZ-105X	C CAP.	1μF 10V Z
C740	NDC31HJ-561X	C CAP.	560pF 50V J
C741	QETN1HM-105Z	E CAP.	1.0μF 50V M
C742	QETN1HM-105Z	E CAP.	1.0μF 50V M

COIL

L001	QQL244K-270Z	INDUCTOR	
L002	QQL244K-100Z	COIL	10μH K
L003	QQL244K-100Z	COIL	10μH K
L301	QQL244K-4R7Z	COIL	4.7μH K
L302	QQL244K-4R7Z	COIL	4.7μH K
L305	QQL244K-4R7Z	COIL	4.7μH K
L306	QQL244K-330Z	COIL	33μH K
L501	QQL244J-151Z	INDUCTOR	
L701	QQL244K-4R7Z	COIL	4.7μH K
L702	QQL244K-4R7Z	COIL	4.7μH K
L703	QQL244K-4R7Z	COIL	4.7μH K
L704	QQL244K-4R7Z	COIL	4.7μH K
L705	QQL244K-4R7Z	COIL	4.7μH K
L706	QQL244K-4R7Z	COIL	4.7μH K
L707	QQL244K-8R2Z	COIL	8.2μH K
L708	QQL244K-4R7Z	COIL	4.7μH K

DIODE

D301	MA3051/M/-X	Z DIODE	
D302	MA111-X	SI DIODE	
D303	MA111-X	SI DIODE	
D304	MA111-X	SI DIODE	
D503	AK04-T2	SB DIODE	
D601	MA3330/L/-X	Z DIODE	
D602	MA3330/L/-X	Z DIODE	
D603	MA3330/L/-X	Z DIODE	
D604	MA111-X	SI DIODE	
D605	MA111-X	SI DIODE	
D606	MA111-X	SI DIODE	
D607	MA111-X	SI DIODE	
D608	MA111-X	SI DIODE	
D609	MA111-X	SI DIODE	
D610	MA111-X	SI DIODE	
D611	MA3330/L/-X	Z DIODE	
D612	MA3330/L/-X	Z DIODE	
D613	MA3330/L/-X	Z DIODE	
D614	MA111-X	SI DIODE	
D615	MA111-X	SI DIODE	
D616	MA111-X	SI DIODE	
D619	MA111-X	SI DIODE	
D620	MA111-X	SI DIODE	
D621	MA111-X	SI DIODE	

Symbol No.	Part No.	Part Name	Description
DIODE			
D702	MA111-X	SI DIODE	
D703	MA111-X	SI DIODE	
D704	MA3058/M/-X	Z DIODE	
D705	MA111-X	SI DIODE	

TRANSISTOR

Q002	2SC2412K/QR/-X	TRANSISTOR
Q301	2SA1037AK/QR/-X	TRANSISTOR
Q302	2SA1037AK/QR/-X	TRANSISTOR
Q308	DTC124EKA-X	DIGI TRANSISTOR
Q309	2SC2412K/QR/-X	TRANSISTOR
Q311	DTC124EKA-X	DIGI TRANSISTOR
Q312	2SA1037AK/QR/-X	TRANSISTOR
Q401	DTC124EKA-X	DIGI TRANSISTOR
Q402	2SC2412K/QR/-X	TRANSISTOR
Q601	2SA1037AK/QR/-X	TRANSISTOR
Q603	DTC124EKA-X	DIGI TRANSISTOR
Q605	DTC144EKA-X	DIGI TRANSISTOR
Q606	2SC2412K/QR/-X	TRANSISTOR
Q607	DTC144EKA-X	DIGI TRANSISTOR
Q608	DTC144EKA-X	DIGI TRANSISTOR
Q609	2SC2412K/QR/-X	TRANSISTOR
Q610	DTC124EKA-X	DIGI TRANSISTOR
Q611	2SA1037AK/QR/-X	TRANSISTOR
Q612	DTC124EKA-X	DIGI TRANSISTOR
Q613	DTC124EKA-X	DIGI TRANSISTOR
Q614	DTC124EKA-X	DIGI TRANSISTOR
Q615	DTC144EKA-X	DIGI TRANSISTOR
Q616	2SC2412K/QR/-X	TRANSISTOR
Q617	DTC144EKA-X	DIGI TRANSISTOR
Q618	2SC2412K/QR/-X	TRANSISTOR
Q619	DTC144EKA-X	DIGI TRANSISTOR
Q620	2SA1037AK/QR/-X	TRANSISTOR
Q701	DTC124EKA-X	DIGI TRANSISTOR
Q702	2SC2412K/QR/-X	TRANSISTOR
Q703	2SC2412K/QR/-X	TRANSISTOR
Q704	2SC2412K/QR/-X	TRANSISTOR
Q705	2SA1037AK/QR/-X	TRANSISTOR
Q706	2SC2412K/QR/-X	TRANSISTOR
Q707	2SA1037AK/QR/-X	TRANSISTOR
Q708	2SC2412K/QR/-X	TRANSISTOR
Q709	2SC2412K/QR/-X	TRANSISTOR
Q710	2SC2412K/QR/-X	TRANSISTOR
Q711	2SC2412K/QR/-X	TRANSISTOR
Q712	2SC2412K/QR/-X	TRANSISTOR
Q713	2SA1037AK/QR/-X	TRANSISTOR

IC

IC301	TB1227CN	IC	
IC302	AN5850	I C	
IC501	AN5415A-W	IC	
IC551	LA6515	I C	
IC601	AN7985	IC	
IC602	AN7985	IC	
IC671	BA05T	IC	
IC701	SDA555XFL	IC(MICRO C ROM)	
IC702	AT24C16-28R25EK	IC	(SERVICE)
IC703	JLC1562BF-X	I C	
IC704	BA17805T	IC	
IC705	MM1478DF-X	IC	
IC706	R1170H251B-X	IC	

OTHERS

CN001	CEMS009-052	IC SOCKET
CN003	CEMS007-008	IC SOCKET
CN004	QGF1220C2-19	FFC/FPC CONNE
CN005	QGB1506L1-16	B TO B CONNE
CN006	QGB1506L1-16	B TO B CONNE
CN007	QGB1506L1-16	B TO B CONNE
CN008	QGB1505J1-50	B TO B CONNE
CN009	OGA2501C5-08Z	W TO B CONNE
CN010	QGB1505J1-40	B TO B CONNE
CN011	OGA2501C5-05Z	W TO B CONNE
K307	QOR0621-002Z	FERRITE BEADS
LC301	CE42142-222Z	EMI FILTER
TU001	QAU0277-001	TUNER
X301	QAX0305-001Z	CRYSTAL
X701	QAX0669-001Z	CRYSTAL

■ POWER & DEF. P.W. BOARD ASS'Y

(S JL-2004A-U2)

△ Symbol No.	Part No.	Part Name	Description
RESISTOR			
R401	QRE141J-682Y	C R	6.8kΩ 1/4W J
R402	QRA14CF-6801Y	MF R	6.8kΩ 1/4W F
R403	QRA14CF-3091Y	MF R	3.09kΩ 1/4W F
R404	QRA14CF-8200Y	MF R	820Ω 1/4W F
R405	QRA14CF-8200Y	MF R	820Ω 1/4W F
R406	QRE141J-103Y	C R	10kΩ 1/4W J
R407	QVY153-050Y	IM BUS WIRE	
R409	QRE141J-103Y	C R	10kΩ 1/4W J
R410	QRE141J-102Y	C R	1kΩ 1/4W J
R414	QRE121J-477Y	C R	4.7Ω 1/2W J
R415	QRX01GJ-1R8	MF R	1.8Ω 1W J
R416	QRG01GJ-820	OM R	82Ω 1W J
R417	QRE121J-1R0Y	C R	1.0Ω 1/2W J
R461	QRE141J-331Y	C R	330Ω 1/4W J
R463	QRE121J-392Y	C R	3.9kΩ 1/2W J
R464	QRE121J-562Y	C R	5.6kΩ 1/2W J
R465	QRE121J-222Y	C R	2.2kΩ 1/2W J
R466	QRE121J-102Y	C R	1kΩ 1/2W J
R467	QRL089J-120	OM R	12Ω 3W J
R468	QRE121J-472Y	C R	4.7kΩ 1/2W J
R492	QRE141J-683Y	C R	68kΩ 1/4W J
R493	QRE141J-224Y	C R	220kΩ 1/4W J
△ R494	QRZ017-4R7	F R	4.7 Ω 1/4W J
R495	QRE141J-103Y	C R	10kΩ 1/4W J
R496	QRE141J-183Y	C R	18kΩ 1/4W J
R497	QRE141J-153Y	C R	15kΩ 1/4W J
R501	QRE141J-561Y	C R	560Ω 1/4W J
R502	QRE141J-222Y	C R	2.2kΩ 1/4W J
R503	QRE121J-152Y	C R	1.5kΩ 1/2W J
R504	QRL089J-332	OM R	3.3kΩ 3W J
R505	QRL089J-332	OM R	3.3kΩ 3W J
R521	QRE121J-150Y	C R	15Ω 1/2W J
R522	QRL089J-103	OM R	10kΩ 3W J
R523	QRE121J-471Y	C R	470Ω 1/2W J
△ R524	QRZ017-4R7	F R	4.7 Ω 1/4W J
R525	QRE141J-152Y	C R	1.5kΩ 1/4W J
R541	QRE121J-103Y	C R	10kΩ 1/2W J
R542	QRE121J-222Y	C R	2.2kΩ 1/2W J
R543	QRE121J-124Y	C R	120kΩ 1/2W J
R544	QRE121J-104Y	C R	100kΩ 1/2W J
R545	QRE141J-123Y	C R	12kΩ 1/4W J
R546	QRE121J-104Y	C R	100kΩ 1/2W J
R547	QRE141J-123Y	C R	12kΩ 1/4W J
R548	QRE121J-222Y	C R	2.2kΩ 1/2W J
R551	QRT089J-1R2	MF R	1.2Ω 3W J
R552	QRT089J-1R2	MF R	1.2Ω 3W J
R553	QRF104K-5R6	UNF R	5.6Ω 10W K
△ R554	QRZ022-R47	F R	0.47 Ω 1W K
△ R555	QRZ011-4R7	F R	4.7 Ω 1/2W J
R561	QRL029J-220	OM R	22Ω 2W J
R562	QRE121J-123Y	C R	12kΩ 1/2W J
R563	QRZ056-103Z	COMP R	10kΩ 1/2W K
R591	QRE121J-123Y	C R	12kΩ 1/2W J
R592	QRA14CF-1201Y	MF R	1.2kΩ 1/4W F
R593	QRE141J-183Y	C R	18kΩ 1/4W J
R594	QRE141J-222Y	C R	2.2kΩ 1/4W J
△ R595	QRA14CF-2102Y	MF R	21kΩ 1/4W F
△ R596	QRA14CF-2671Y	MF R	2.67kΩ 1/4W F
R597	QRE141J-273Y	C R	27kΩ 1/4W J
R902	QRE121J-331Y	C R	330Ω 1/2W J
R903	QRF104K-3R9	UNF R	3.9Ω 10W K
R904	QRE121J-474Y	C R	470kΩ 1/2W J
R905	QRE121J-474Y	C R	470kΩ 1/2W J
R906	QVY153-050Y	IM BUS WIRE	
R907	QRL089J-823	OM R	82kΩ 3W J
R908	QRL089J-823	OM R	82kΩ 3W J
R909	QRG089J-473	OM R	47kΩ 3W J
R911	QRM089J-R10	MP R	0.10Ω 5W J
R912	QRT029J-R82	MF R	0.82Ω 2W J
△ R913	QRZ017-100	F R	10 Ω 1/4W K
R914	QRE121J-272Y	C R	2.7kΩ 1/2W J
R916	QRE141J-103Y	C R	10kΩ 1/4W J
R917	QRE121J-221Y	C R	220Ω 1/2W J
R918	QRE121J-102Y	C R	1kΩ 1/2W J
R932	QVY153-050Y	IM BUS WIRE	
R934	QRE141J-102Y	C R	1kΩ 1/4W J
R935	QRE141J-223Y	C R	22kΩ 1/4W J

△ Symbol No.	Part No.	Part Name	Description
RESISTOR			
R936	QRE141J-103Y	C R	10kΩ 1/4W J
△ R939	QRZ017-100	C R	10Ω 1/4W K
R941	QRE141J-102Y	C R	1kΩ 1/4W J
R952	QRE141J-222Y	C R	2.2kΩ 1/4W J
R964	QRE121J-222Y	C R	2.2kΩ 1/2W J
R967	QRL089J-223	OM R	22kΩ 3W J
R976	QRL029J-100	OM R	10Ω 2W J
△ R991	QRZ057-825	C R	8.2MΩ 1W J
CAPACITOR			
C401	QEH01VM-227Z	E CAP.	220μF 35V M
C402	QETMLVM-108	E CAP.	1000μF 35V M
C403	QFLC2AJ-683Z	M CAP.	0.068μF 100V J
C404	QETNLHM-105Z	E CAP.	1.0μF 50V M
C405	QFLC1HJ-472Z	M CAP.	4700pF 50V J
C406	QCZ037-180Z	C CAP.	180pF 2KV K
C407	QFLC1HJ-102Z	M CAP.	1000pF 50V J
C408	QFVFLHJ-334Z	MF CAP.	0.33μF 50V J
C410	QFVFLHJ-334Z	MF CAP.	0.33μF 50V J
C411	QFLC2AJ-563Z	M CAP.	0.056μF 100V J
C451	QFVFLHJ-104Z	MF CAP.	0.1μF 50V J
C461	QEZ0195-475Z	E CAP.	4.7μF 50V M
C462	QETNLHM-106Z	E CAP.	10μF 50V M
C463	QFLC1HJ-153Z	M CAP.	0.015μF 50V J
C464	QFLC1HJ-332Z	M CAP.	3300pF 50V J
C491	QETNLHM-105Z	E CAP.	1.0μF 50V M
C492	QETNLHM-106Z	E CAP.	10μF 50V M
C502	QCB32HK-681Z	C CAP.	680pF 500V K
C503	QEH02CM-105Z	E CAP.	1.0μF 160V M
△ C521	QFZ0200-45Z	MPP CAP.	4500pF 1.5KVH±3%
△ C522	QFZ0200-123	MPP CAP.	0.012μF 1.5KVH±3%
△ C523	QFP32GJ-153	PP CAP.	0.015μF 400V J
C524	QFM72DK-104	M CAP.	0.1μF 200V K
△ C526	QFZ0199-304	MPP CAP.	0.3μF 250V J
C527	QEH02EM-475Z	E CAP.	4.7μF 250V M
△ C529	QFM72DK-393	M CAP.	0.039μF 200V K
C530	QCB32HK-561Z	C CAP.	560pF 500V K
C531	QFLC1HJ-103Z	M CAP.	0.01μF 50V J
C533	QCS32HJ-560Z	C CAP.	560pF 500V J
C542	QFZ0197-104	MPP CAP.	0.1μF 250V J
C543	QFZ0197-104	MPP CAP.	0.1μF 250V J
C551	QETN2EM-106Z	E CAP.	10μF 250V M
C552	QCB32HK-152Z	C CAP.	1500pF 500V K
C553	QEH01EM-108Z	E CAP.	1000μF 25V M
C554	QCB32HK-152Z	C CAP.	1500pF 500V K
C555	QEH01EM-108Z	E CAP.	1000μF 25V M
C560	QETM2CM-227	E CAP.	220μF 160V M
C561	QFLC1HJ-683Z	M CAP.	0.068μF 50V J
C591	QETNLAM-107Z	E CAP.	100μF 10V M
C592	QETNLAM-476Z	E CAP.	47μF 25V M
C593	QETN2AM-106Z	E CAP.	10μF 100V M
C594	QETNLAM-227Z	E CAP.	220μF 10V M
△ C901	QFZ9075-473	MPP CAP.	0.047μF FAC275V M
△ C904	QCZ9054-472	C CAP.	4700pF FAC250V Z
△ C905	QCZ9054-472	C CAP.	4700pF FAC250V Z
△ C906	QCZ9054-472	C CAP.	4700pF FAC250V Z
C907	QEZ0199-227	E CAP.	220μF 400V M
C908	QCB32HK-103	C CAP.	0.01μF 500V K
C909	QCZ0122-391	C CAP.	390pF 2KV K
C910	QCZ0122-681	C CAP.	680pF 2KV K
C912	QCB32HK-102Z	C CAP.	1000pF 50V K
C916	QETNLHM-476Z	E CAP.	47μF 50V M
C917	QETNLHM-475Z	E CAP.	4.7μF 50V M
C918	QCB32HK-152Z	C CAP.	1500pF 50V K
C920	QFVFLHJ-334Z	MF CAP.	0.33μF 50V J
C933	QETMLVM-338	E CAP.	3300μF 35V M
C951	QCZ0122-561	C CAP.	560pF 2KV K
C952	QEZ0203-227	E CAP.	220μF 160V M
C953	QCB32HK-391Z	C CAP.	390pF 500V K
C954	QTMMLCM-228	E CAP.	2200μF 25V M
C955	QCB32HK-391Z	C CAP.	390pF 500V K
C956	QTMMLCM-228	E CAP.	2200μF 16V M
C958	QCB32HK-391Z	C CAP.	390pF 500V K
C959	QETMLVM-338	E CAP.	3300μF 35V M
C960	QCB32HK-221Z	C CAP.	220pF 500V K
C961	QETMLVM-228	E CAP.	2200μF 35V M
C964	QFVFLHJ-684Z	MF CAP.	0.68μF 50V J

AV32R25EKS
AV32R250EKS

△ Symbol No.	Part No.	Part Name	Description
CAPACITOR			
C968	QCZ0120-104Z	C CAP.	0.1μF 25V Z
C969	QEHRLCM-477Z	E CAP.	470μF 16V M
C970	QEHRLCM-107Z	E CAP.	100μF 16V M
C971	QCZ0120-104Z	C CAP.	0.1μF 25V Z
C972	QETNLCM-227Z	E CAP.	220μF 16V M
C973	QETNLCM-476Z	E CAP.	47μF 25V M
C974	QCZ0120-104Z	C CAP.	0.1μF 25V Z
C975	QETNLCM-227Z	E CAP.	220μF 10V M
C976	QETNLCM-476Z	E CAP.	47μF 25V M
△ C991	QCZ9079-33Z	C CAP.	3300pFAC250V M
△ C992	QCZ9079-471	C CAP.	470pFAC250V K

TRANSFORMER			
T501	CE42034-002	HOR DRIVE TRANS	
△ T551	QOH0130-001	FBT	
T561	QQR0898-001	DEF TRANSF	
△ T901	QQS0144-001	SW TRANSF	

COIL			
L461	QQLZ027-821	INDUCTOR	
L521	QQLZ028-501	INDUCTOR	
L522	QQR1106-002	LINEARITY COIL	
L561	QQLZ028-472	INDUCTOR	
L901	QQL402K-100	COIL	1μH K
L902	QQL402K-100	COIL	1μH K
△ L903	QQR1200-001	LINEARITY COIL	
L951	QQLZ026-460	INDUCTOR	
L952	QQLZ6AK-820Z	COIL	8μH K
L953	QQLZ6AM-5R6Z	INDUCTOR	
L954	QQLZ6AM-5R6Z	INDUCTOR	
L955	QQLZ6AK-220Z	COIL	22μH K

DIODE			
D402	1N4003-T2	SI DIODE	
D451	EU2-T3	SI DIODE	
D491	1SS133-T2	SI DIODE	
D492	MTZJ2B-T2	Z DIODE	
D493	1SS133-T2	SI DIODE	
D494	1SS133-T2	SI DIODE	
D521	RH3G-F1	SI DIODE	
D522	RU30A-F1	SI DIODE	
D523	EU2-T3	SI DIODE	
D525	MTZJ9-1B-T2	Z DIODE	
D551	EU2A-T3	SI DIODE	
D553	EU2-T3	SI DIODE	
D554	EU2-T3	SI DIODE	
D591	MTZJ15B-T2	Z DIODE	
D592	MTZJ7-5B-T2	Z DIODE	
D593	EU2-T3	SI DIODE	
△ D594	MTZJ7-5S-T2	Z DIODE	
D901	D35BA60	BRIDGE DIODE	
D902	RG1C-LFA1	SI DIODE	
D904	AU01Z-T2	FR DIODE	
D905	AU01Z-T2	FR DIODE	
D906	MTZJ4-7A-T2	Z DIODE	
D907	MTZJ15B-T2	Z DIODE	
D909	1SS133-T2	SI DIODE	
D910	QUY153-050Y	IM BUS WIRE	
D911	MTZJ15B-T2	Z DIODE	
D913	MTZJ27B-T2	Z DIODE	
D951	RU4B-F1	SI DIODE	
D953	EU2-T3	SI DIODE	
D954	EU2-T3	SI DIODE	
D955	FMX-G12S	SI DIODE	
D956	FMX-G12S	SI DIODE	
D957	RGPI0J-5025-T3	SI DIODE	
D958	1SR35-400A-T2	SI DIODE	
D961	QUY153-050Y	IM BUS WIRE	
D962	QUY153-050Y	IM BUS WIRE	
D963	MTZJ3-9B-T2	Z DIODE	
D964	MTZJ33B-T2	Z DIODE	
D965	MTZJ4-3B-T2	Z DIODE	
D981	1SS133-T2	SI DIODE	
D982	1SS133-T2	SI DIODE	
D983	1SS133-T2	SI DIODE	
D985	MTZJ7-5C-T2	Z DIODE	

TRANSISTOR			
Q402	2SC1740S/QR/-T	TRANSISTOR	
Q461	2SD1408/OY/-LB	POW TRANSISTOR	

△ Symbol No.	Part No.	Part Name	Description
TRANSISTOR			
Q462	2SA933AS/QR/-T	TRANSISTOR	
Q463	2SA933AS/QR/-T	TRANSISTOR	
Q501	BSN304-T	MOS FET	
Q514	DTC124ESA-T	DIGI TRANSISTOR	
△ Q521	2SD2553-LB	POW TRANSISTOR	H. OUT
Q542	DTC124ESA-T	DIGI TRANSISTOR	
Q543	IRF620	POWR MOS FET	
Q544	2SK2459N-F54	POWR MOS FET	
Q545	2SK2459N-F54	POWR MOS FET	
Q546	DTC124ESA-T	DIGI TRANSISTOR	
Q591	2SA999/Y/Z1-T	TRANSISTOR	
Q592	DTC124ESA-T	DIGI TRANSISTOR	
Q593	2SC1740S/QR/-T	TRANSISTOR	
Q931	2SC1740S/QR/-T	TRANSISTOR	
Q932	DTC124ESA-T	DIGI TRANSISTOR	

IC			
△ IC401	AN5523	IC	
IC901	STR-F6254/F7	IC	
IC951	SE140N	IC	
IC952	BA12T	IC	
IC953	BA17809T	IC	
IC954	PQ09KF11	IC	

OTHERS			
CN003	QGB1506M1-16	B TO B CONNE	
CN004	QGB1506M1-16	B TO B CONNE	
CN005	QGB1506M1-16	B TO B CONNE	
CN009	QGA250LC5-06Z	W TO B CONNE	
△ CP951	QUY153-050Y	IM BUS WIRE	
△ CP952	ICP-N50-Y	IC PROTECTOR	
△ CP953	QMF2034-4R0Z-J1	FUSE	4.0A
△ CP954	ICP-N75-Y	IC PROTECTOR	
△ CP955	ICP-N75-Y	IC PROTECTOR	
K401	QQR0621-002Z	FERRITE BEADS	
K503	QQR0682-001Z	FERRITE BEADS	
K504	QQR0682-001Z	FERRITE BEADS	
K901	QQR0679-001	FERRITE BEADS	
K904	QQR0679-001	FERRITE BEADS	
K951	QQR0672-001Y	FERRITE BEADS	
K952	QQR0621-002Z	FERRITE BEADS	
K953	QQR0621-002Z	FERRITE BEADS	
K954	QQR0621-002Z	FERRITE BEADS	
K955	QQR0621-002Z	FERRITE BEADS	
K956	QQR0621-002Z	FERRITE BEADS	
△ LF902	QQR1095-001	LINE FILTER	
△ PC541	PC123FY2	IC(PHOTO COUPLE	
△ PC901	PC123FY2	IC(PHOTO COUPLE	
△ TH901	QAD0133-9R0	P THERMISTOR	

■ CRT SOCKET P.W. BOARD ASS'Y
(SJL-3002A-U2)

Symbol No.	Part No.	Part Name	Description
RESISTOR			
R3101	NRS463J-101X	MG R	100Ω 1/16W J
R3102	NRS463J-101X	MG R	100Ω 1/16W J
R3103	NRS463J-101X	MG R	100Ω 1/16W J
R3107	NRS463J-392X	MG R	3.9kΩ 1/16W J
R3108	NRS463J-392X	MG R	3.9kΩ 1/16W J
R3109	NRS463J-392X	MG R	3.9kΩ 1/16W J
R3110	NRS463J-221X	MG R	220Ω 1/16W J
R3111	NRS463J-221X	MG R	220Ω 1/16W J
R3112	NRS463J-221X	MG R	220Ω 1/16W J
R3113	NRS463J-470X	MG R	47Ω 1/16W J
R3114	NRS463J-470X	MG R	47Ω 1/16W J
R3115	NRS463J-470X	MG R	47Ω 1/16W J
R3116	QRL029J-153	OM R	15kΩ 2W J
R3117	QRL029J-153	OM R	15kΩ 2W J
R3118	QRL029J-153	OM R	15kΩ 2W J
R3119	QRL029J-183	OM R	18kΩ 2W J
R3120	QRL029J-183	OM R	18kΩ 2W J
R3121	QRL029J-183	OM R	18kΩ 2W J
R3125	QRZ0107-102Z	C R	1kΩ 1/2W K
R3126	QRZ0107-102Z	C R	1kΩ 1/2W K
R3127	QRZ0107-102Z	C R	1kΩ 1/2W K
R3130	QRG01GJ-101	OM R	100Ω 1W J
R3135	QRZ0107-474Z	C R	470kΩ 1/2W K
R3136	QRE121J-474Y	C R	470kΩ 1/2W J
R3137	QRZ0107-102Z	C R	1kΩ 1/2W K
R3138	QRE121J-105Y	C R	1MΩ 1/2W J
R3151	NRS463J-102X	MG R	1kΩ 1/16W J
R3152	NRS463J-472X	MG R	4.7kΩ 1/16W J
R3154	NRS463J-0R0X	MG R	0.0Ω 1/16W J
R3303	NRS463J-101X	MG R	100Ω 1/16W J
R3312	NRS463J-153X	MG R	15kΩ 1/16W J
R3313	NRS463J-152X	MG R	1.5kΩ 1/16W J
R3314	NRS463J-221X	MG R	220Ω 1/16W J
R3315	NRS463J-101X	MG R	100Ω 1/16W J
R3316	NRS463J-222X	MG R	2.2kΩ 1/16W J
R3317	NRS463J-470X	MG R	47Ω 1/16W J
R3318	QRJ146J-100X	C R	10Ω 1/4W J
R3319	NRS463J-470X	MG R	47Ω 1/16W J
R3320	NRS463J-122X	MG R	1.2kΩ 1/16W J
R3321	NRS463J-390X	MG R	39Ω 1/16W J
R3322	QRE121J-2R7Y	C R	2.7Ω 1/2W J
R3323	QRE121J-563Y	C R	56kΩ 1/2W J
R3324	QRE121J-563Y	C R	56kΩ 1/2W J
R3325	NRS463J-122X	MG R	1.2kΩ 1/16W J
R3326	QRE121J-2R7Y	C R	2.7Ω 1/2W J
R3327	NRS463J-390X	MG R	39Ω 1/16W J
R3328	NRS463J-121X	MG R	120Ω 1/16W J
R3329	QRL029J-391	OM R	390Ω 2W J

CAPACITOR

C3101	NDC31HJ-391X	C CAP.	390pF 50V J
C3102	NDC31HJ-391X	C CAP.	390pF 50V J
C3103	NDC31HJ-391X	C CAP.	390pF 50V J
C3104	QETNLCM-107Z	E CAP.	100μF 16V M
C3105	QETNLCM-476Z	E CAP.	47μF 25V M
C3107	QETNLCM-106Z	E CAP.	10μF 50V M
C3113	QCZ0131-22Z	C CAP.	2200pF 2kV K
C3114	QETNLCM-336	E CAP.	33μF 250V M
C3115	QETNLCM-106	E CAP.	10μF 250V M
C3116	NRS463J-0R0X	MG R	0.0Ω 1/16W J
C3304	NCB31HK-103X	C CAP.	0.01μF 50V K
C3305	QETNLCM-335Z	E CAP.	3.3μF 50V M
C3306	QETNLCM-107Z	E CAP.	100μF 16V M
C3307	NDC31HJ-5R0X	C CAP.	5.0pF 50V J
C3308	QETNLCM-106Z	E CAP.	10μF 160V M
C3309	QCB32HK-472Z	C CAP.	4700pF 500V K
C3310	QETNLCM-106Z	E CAP.	10μF 160V M
C3311	NDC31HJ-821X	C CAP.	820pF 50V J
C3312	QCB32HK-472Z	C CAP.	4700pF 500V K
C3313	NDC31HJ-561X	C CAP.	560pF 50V J
C3314	QETNLCM-107Z	E CAP.	100μF 16V M
C3315	QCS32HJ-680Z	C CAP.	68pF 500V J
C3316	QETNLCM-107Z	E CAP.	100μF 16V M
C3317	QETNLCM-337Z	E CAP.	330μF 10V M

COIL

L3101	QUY153-050Y	IM BUS WIRE	
L3102	QUY153-050Y	IM BUS WIRE	
L3103	QUY153-050Y	IM BUS WIRE	

Symbol No.	Part No.	Part Name	Description
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COIL

L3301	QQL244J-391Z	INDUCTOR	
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DIODE

D3151	MA111-X	SI DIODE	
D3152	MA3082/L/-X	Z DIODE	
D3153	MA111-X	SI DIODE	
D3154	MA111-X	SI DIODE	
D3155	MA111-X	SI DIODE	
D3156	MA3047/H/-X	Z DIODE	
D3157	MA3150/M/-X	Z DIODE	
D3163	MA3150/M/-X	Z DIODE	
D3164	1SR35-400A-T2	SI DIODE	
D3302	RH15-T3	SI DIODE	
D3303	RH15-T3	SI DIODE	

TRANSISTOR

Q3101	2SC1740S/QR/-T	TRANSISTOR	
Q3102	2SC1740S/QR/-T	TRANSISTOR	
Q3103	2SC1740S/QR/-T	TRANSISTOR	
Q3104	2SC4544-LB	POW TRANSISTOR	
Q3105	2SC4544-LB	POW TRANSISTOR	
Q3106	2SC4544-LB	POW TRANSISTOR	
Q3151	2SA1037AK/QR/-X	TRANSISTOR	
Q3152	2SC4682-T	TRANSISTOR	
Q3304	2SC1740S/QR/-T	TRANSISTOR	
Q3305	2SC1740S/QR/-T	TRANSISTOR	
Q3306	2SA933AS/QR/-T	TRANSISTOR	
Q3307	2SA1837	POWER TRANSISTO	
Q3308	2SC4793	POWER TRANSISTO	

OTHERS

CN3008	QJK002-083633	SIN CR C-B WIRE	
CN3009	QJK002-063631	SIN CR C-B WIRE	
FR3301	QRZ9021-561	F R	560 Ω 1W J
K3101	QOR0521-002Z	FERRITE BEADS	
K3301	CE41492-001Z	CHOKE COIL	
K3302	CE41492-001Z	CHOKE COIL	
K3303	CE41492-001Z	CHOKE COIL	
K3304	CE41492-001Z	CHOKE COIL	
SK3001	QNZ0574-001	CRT SOCKET	

■ FRONT CONTROL P.W. BOARD ASS'Y
(SJL-8004A-U2)

Symbol No.	Part No.	Part Name	Description
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RESISTOR

R8801	NRS463J-561X	MG R	560Ω 1/16W J
R8802	NRS463J-561X	MG R	560Ω 1/16W J
R8804	NRS463J-103X	MG R	10kΩ 1/16W J
R8851	NRS463J-152X	MG R	1.5kΩ 1/16W J

CAPACITOR

C8851	NCB31CK-104X	C CAP.	0.1μF 16V K
C8852	QETNLCM-107Z	E CAP.	100μF 16V M
C8901	QFZ9075-474	MPP CAP.	0.47μFAC275V M

DIODE

D8801	SPR-39MVWF	LED	
D8851	MA3068/M/-X	Z DIODE	

TRANSISTOR

Q8801	DTA124EKA-X	DIGI TRANSISTOR	
Q8802	DTA124EKA-X	DIGI TRANSISTOR	
Q8803	DTC124EKA-X	DIGI TRANSISTOR	

IC

IC8851	GP1U281Q	IR DETECT UNIT	
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OTHERS

CN8001	LC30849-001A-H	LED HOLDER	
F8901	CEM002-001Z	FUSE CLIP	
LF8901	QGF1220C2-19	FFC/FPC CONNE	3.15A
S8901	QMF51D2-3R15J1	FUSE	
	QOR1095-001	LINE FILTER	
	QSW0824-001	PUSH SWITCH	MAIN POWER

AV32R25EKS
AV32R250EKS

■ SIDE CONTROL P.W. BOARD ASS'Y
(SJL-8102A-U2)

△ Symbol No.	Part No.	Part Name	Description
RESISTOR			
R8001	QRE121J-271Y	C R	270Ω 1/2W J
R8002	QRE121J-271Y	C R	270Ω 1/2W J
R8010	NRSAG3J-103X	MG R	10kΩ 1/16W J
R8011	NRSAG3J-103X	MG R	10kΩ 1/16W J
R8012	NRSAG3J-103X	MG R	10kΩ 1/16W J
R8021	NRSAG3J-102X	MG R	1kΩ 1/16W J
R8022	NRSAG3J-102X	MG R	1kΩ 1/16W J
R8023	NRSAG3J-103X	MG R	10kΩ 1/16W J
R8317	NRSAG3J-750X	MG R	75Ω 1/16W J
CAPACITOR			
C8001	NCB31HK-103X	C CAP.	0.01μF 50V K
C8002	NCB31HK-103X	C CAP.	0.01μF 50V K
C8003	NCB31HK-102X	C CAP.	1000pF 50V K
C8004	NCB31HK-102X	C CAP.	1000pF 50V K
C8310	NCB31HK-472X	C CAP.	4700pF 50V K
C8311	NCB31HK-472X	C CAP.	4700pF 50V K
C8321	NCB31CK-104X	C CAP.	0.1μF 16V K
COIL			
L8001	QQR0716-001Z	FERRITE BEADS	
L8002	QQL244K-5R6Z	COIL	5.6μH K
L8003	QQL244K-5R6Z	COIL	5.6μH K
L8310	QQL244K-270Z	INDUCTOR	
L8311	QQL244K-270Z	INDUCTOR	
L8312	QQR0716-001Z	FERRITE BEADS	
OTHERS			
CN8016	QGA2501C5-05Z	W TO B CONNE	
J8001	QNS0169-001	3.5 JACK	
J8303	QNZ0438-001	AV JACK	
S8001	QSW0619-003Z	TACT SWITCH	CH UP
S8002	QSW0619-003Z	TACT SWITCH	MENU
S8003	QSW0619-003Z	TACT SWITCH	CH DOWN

■ AV SW P.W. BOARD ASS'Y (SJL0S003A-U2)

△ Symbol No.	Part No.	Part Name	Description
RESISTOR			
R0101	NRSAG3J-750X	MG R	75Ω 1/16W J
R0102	NRSAG3J-750X	MG R	75Ω 1/16W J
R0103	NRSAG3J-750X	MG R	75Ω 1/16W J
R0104	NRSAG3J-750X	MG R	75Ω 1/16W J
R0105	NRSAG3J-750X	MG R	75Ω 1/16W J
R0106	NRSAG3J-750X	MG R	75Ω 1/16W J
R0107	NRSAG3J-750X	MG R	75Ω 1/16W J
R0108	NRSAG3J-750X	MG R	75Ω 1/16W J
R0110	NRSAG3J-823X	MG R	82kΩ 1/16W J
R0112	NRSAG3J-823X	MG R	82kΩ 1/16W J
R0113	NRSAG3J-750X	MG R	75Ω 1/16W J
R0114	NRSAG3J-473X	MG R	47kΩ 1/16W J
R0115	NRSAG3J-223X	MG R	22kΩ 1/16W J
R0116	NRSAG3J-223X	MG R	22kΩ 1/16W J
R0117	NRSAG3J-823X	MG R	82kΩ 1/16W J
R0118	NRSAG3J-823X	MG R	82kΩ 1/16W J
R0119	NRSAG3J-391X	MG R	390Ω 1/16W J
R0120	NRSAG3J-391X	MG R	390Ω 1/16W J
R0123	NRSAG3J-104X	MG R	100kΩ 1/16W J
R0124	NRSAG3J-101X	MG R	100Ω 1/16W J
R0125	NRSAG3J-101X	MG R	100Ω 1/16W J
R0126	NRSAG3J-333X	MG R	33kΩ 1/16W J
R0127	NRSAG3J-101X	MG R	100Ω 1/16W J
R0128	NRSAG3J-103X	MG R	10kΩ 1/16W J
R0129	NRSAG3J-823X	MG R	82kΩ 1/16W J
R0130	NRSAG3J-473X	MG R	47kΩ 1/16W J
R0131	NRSAG3J-273X	MG R	27kΩ 1/16W J
R0132	NRSAG3J-153X	MG R	15kΩ 1/16W J
R0133	NRSAG3J-222X	MG R	2.2kΩ 1/16W J
R0134	NRSAG3J-333X	MG R	33kΩ 1/16W J
R0135	NRSAG3J-222X	MG R	2.2kΩ 1/16W J
R0136	NRSAG3J-333X	MG R	33kΩ 1/16W J
R0137	NRSAG3J-333X	MG R	33kΩ 1/16W J

△ Symbol No.	Part No.	Part Name	Description
RESISTOR			
R0138	NRSAG3J-473X	MG R	47kΩ 1/16W J
R0139	NRSAG3J-823X	MG R	82kΩ 1/16W J
R0140	NRSAG3J-103X	MG R	10kΩ 1/16W J
R0141	NRSAG3J-153X	MG R	15kΩ 1/16W J
R0142	NRSAG3J-223X	MG R	22kΩ 1/16W J
R0143	NRSAG3J-473X	MG R	47kΩ 1/16W J
R0144	NRSAG3J-273X	MG R	27kΩ 1/16W J
R0146	NRSAG3J-391X	MG R	390Ω 1/16W J
R0148	NRSAG3J-391X	MG R	390Ω 1/16W J
R0151	NRSAG3J-104X	MG R	100kΩ 1/16W J
R0152	NRSAG3J-222X	MG R	2.2kΩ 1/16W J
R0153	NRSAG3J-333X	MG R	33kΩ 1/16W J
R0154	NRSAG3J-222X	MG R	2.2kΩ 1/16W J
R0155	NRSAG3J-333X	MG R	33kΩ 1/16W J
R0156	NRSAG3J-101X	MG R	100Ω 1/16W J
R0157	NRSAG3J-101X	MG R	100Ω 1/16W J
R0158	NRSAG3J-101X	MG R	100Ω 1/16W J
R0159	NRSAG3J-101X	MG R	100Ω 1/16W J
R0160	NRSAG3J-101X	MG R	100Ω 1/16W J
R0161	NRSAG3J-101X	MG R	100Ω 1/16W J
R0162	NRSAG3J-101X	MG R	100Ω 1/16W J
R0163	NRSAG3J-101X	MG R	100Ω 1/16W J
R0164	NRSAG3J-101X	MG R	100Ω 1/16W J
R0165	NRSAG3J-101X	MG R	100Ω 1/16W J
R0166	NRSAG3J-101X	MG R	100Ω 1/16W J
R0167	NRSAG3J-101X	MG R	100Ω 1/16W J
R0168	NRSAG3J-101X	MG R	100Ω 1/16W J
R0169	NRSAG3J-101X	MG R	100Ω 1/16W J
R0170	NRSAG3J-333X	MG R	33kΩ 1/16W J
R0171	NRSAG3J-222X	MG R	2.2kΩ 1/16W J
R0172	NRSAG3J-473X	MG R	47kΩ 1/16W J
R0173	NRSAG3J-823X	MG R	82kΩ 1/16W J
R0174	NRSAG3J-103X	MG R	10kΩ 1/16W J
R0175	NRSAG3J-153X	MG R	15kΩ 1/16W J
R0176	NRSAG3J-473X	MG R	47kΩ 1/16W J
R0177	NRSAG3J-273X	MG R	27kΩ 1/16W J
R0180	NRSAG3J-101X	MG R	100Ω 1/16W J
R0181	NRSAG3J-101X	MG R	100Ω 1/16W J
R0182	NRSAG3J-101X	MG R	100Ω 1/16W J
R0183	NRSAG3J-101X	MG R	100Ω 1/16W J
R0184	NRSAG3J-333X	MG R	33kΩ 1/16W J
R0185	NRSAG3J-222X	MG R	2.2kΩ 1/16W J
R0186	NRSAG3J-333X	MG R	33kΩ 1/16W J
R0188	NRSAG3J-101X	MG R	100Ω 1/16W J
R0189	NRSAG3J-221X	MG R	220Ω 1/16W J
R0190	NRSAG3J-221X	MG R	220Ω 1/16W J
R0191	NRSAG3J-562X	MG R	5.6kΩ 1/16W J
R0192	NRSAG3J-562X	MG R	5.6kΩ 1/16W J
R0193	NRSAG3J-102X	MG R	1kΩ 1/16W J
R0194	NRSAG3J-102X	MG R	1kΩ 1/16W J
R0195	QRG01GJ-101	OM R	100Ω 1W J
R0197	QRK126J-181X	C R	180Ω 1/2W J
R0198	NRSAG3J-750X	MG R	75Ω 1/16W J
R0199	NRSAG3J-101X	MG R	100Ω 1/16W J
R0202	QRK126J-151X	C R	150Ω 1/2W J
R0203	NRSAG3J-750X	MG R	75Ω 1/16W J
R0204	NRSAG3J-750X	MG R	75Ω 1/16W J
R0205	NRSAG3J-750X	MG R	75Ω 1/16W J
R0207	NRSAG3J-222X	MG R	2.2kΩ 1/16W J
R0208	NRSAG3J-333X	MG R	33kΩ 1/16W J
R0209	NRSAG3J-222X	MG R	2.2kΩ 1/16W J
R0210	NRSAG3J-333X	MG R	33kΩ 1/16W J
R0211	NRSAG3J-103X	MG R	10kΩ 1/16W J
R0212	NRSAG3J-103X	MG R	10kΩ 1/16W J
R0606	QRG01GJ-181	OM R	180Ω 1W J
R0628	NRSAG3J-0R0X	MG R	0.Ω 1/16W J
R0629	NRSAG3J-101X	MG R	100Ω 1/16W J
R0630	NRSAG3J-101X	MG R	100Ω 1/16W J
CAPACITOR			
C0101	NCB31HK-152X	C CAP.	1500pF 50V K
C0102	QETNLHM-477Z	E CAP.	470μF 50V M
C0103	QETNLHM-106Z	E CAP.	10μF 16V M
C0104	QETNLHM-106Z	E CAP.	10μF 50V M
C0105	QETNLHM-106Z	E CAP.	10μF 50V M
C0106	NCB31HK-472X	C CAP.	4700pF 50V K
C0107	NCB31HK-152X	C CAP.	1500pF 50V K
C0108	NCB31HK-472X	C CAP.	4700pF 50V K

Symbol No.	Part No.	Part Name	Description
CAPACITOR			
C0109	NCB3LHK-152X	C CAP.	1500pF 50V K
C0110	QETNLCM-477Z	E CAP.	470pF 16V M
C0111	NCB3LHK-472X	C CAP.	4700pF 50V K
C0112	NCB3LHK-472X	C CAP.	4700pF 50V K
C0113	NCB3LHK-152X	C CAP.	1500pF 50V K
C0114	NCB3LHK-472X	C CAP.	4700pF 50V K
C0115	NCB3LHK-472X	C CAP.	4700pF 50V K
C0116	QETNLCM-106Z	E CAP.	10pF 50V M
C0117	QETNLCM-106Z	E CAP.	10pF 50V M
C0118	NCB3LHK-102X	C CAP.	1000pF 50V K
C0119	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0120	QETNLCM-106Z	E CAP.	10pF 50V M
C0121	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0122	NCB3LHK-103X	C CAP.	0.01pF 50V K
C0123	NCB3LHK-102X	C CAP.	1000pF 50V K
C0124	QETNLCM-106Z	E CAP.	10pF 50V M
C0125	QETNLCM-106Z	E CAP.	10pF 50V M
C0126	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0127	QETNLCM-106Z	E CAP.	10pF 50V M
C0128	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0129	QETNLCM-106Z	E CAP.	10pF 50V M
C0130	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0131	NCB3LHK-102X	C CAP.	1000pF 50V K
C0132	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0133	NCB3LHK-103X	C CAP.	0.01pF 50V K
C0136	QETNLCM-106Z	E CAP.	10pF 50V M
C0137	QENCLEM-106Z	BP E CAP.	10pF 25V M
C0139	QENCLEM-106Z	BP E CAP.	10pF 25V M
C0140	QETNLCM-107Z	E CAP.	100pF 16V M
C0141	NCB3LHK-103X	C CAP.	0.01pF 50V K
C0142	NCF3LAZ-105X	C CAP.	1pF 10V Z
C0143	QENCLEM-106Z	BP E CAP.	10pF 25V M
C0144	NCF3LAZ-105X	C CAP.	1pF 10V Z
C0145	QETNLCM-107Z	E CAP.	100pF 16V M
C0146	QETNLCM-107Z	E CAP.	100pF 16V M
C0147	QETNLCM-477Z	E CAP.	470pF 16V M
C0149	NCB3LHK-103X	C CAP.	0.01pF 50V K
C0150	QETNLCM-106Z	E CAP.	10pF 50V M
C0151	QETNLCM-106Z	E CAP.	10pF 50V M
C0152	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0153	QETNLCM-105Z	E CAP.	1.0pF 50V M
C0154	NDC3LHJ-680X	C CAP.	680pF 50V J
C0155	NDC3LHJ-680X	C CAP.	680pF 50V J
C0157	NDC3LHJ-680X	C CAP.	680pF 50V J
C0158	NDC3LHJ-680X	C CAP.	680pF 50V J
C0616	QETNLCM-107Z	E CAP.	100pF 16V M
C0617	NCB3LCK-104X	C CAP.	0.1pF 16V K
C0618	QETNLCM-106Z	E CAP.	10pF 50V M
C0619	NCB3LCK-104X	C CAP.	0.1pF 16V K
C0620	QETNLCM-106Z	E CAP.	10pF 50V M
C0623	NCB3LCK-104X	C CAP.	0.1pF 16V K
C0624	QETNLCM-106Z	E CAP.	10pF 50V M
C0629	QETNLCM-106Z	E CAP.	10pF 50V M
C0630	NCB3LHK-102X	C CAP.	1000pF 50V K
C0631	NCB3LHK-102X	C CAP.	1000pF 50V K
C0632	NCB3LCK-104X	C CAP.	0.1pF 16V K
C0633	QETNLCM-106Z	E CAP.	10pF 50V M
C0634	NCB3LHK-103X	C CAP.	0.01pF 50V K
C0635	NCB3LHK-103X	C CAP.	0.01pF 50V K
C0636	NDC3LHJ-2R0X	C CAP.	2.0pF 50V J
C0642	NDC3LHJ-2R0X	C CAP.	2.0pF 50V J
C0645	NCB3LHK-103X	C CAP.	0.01pF 50V K
C0646	NCB3LCK-104X	C CAP.	0.1pF 16V K
C0647	QETNLCM-107Z	E CAP.	100pF 16V M
C0648	NCB3LCK-104X	C CAP.	0.1pF 16V K
COIL			
L0114	QQR0716-001Z	FERRITE BEADS	
L0608	QRN143J-0R0X	C R	0.0Ω 1/4W J
L0605	QQL244K-4R7Z	COIL	4.7μH K
DIODE			
D0101	MA3120/M/-X	Z DIODE	
D0102	MA3120/M/-X	Z DIODE	
D0103	MA3120/M/-X	Z DIODE	
D0104	MA3120/M/-X	Z DIODE	
D0105	MA3120/M/-X	Z DIODE	
D0106	MA3120/M/-X	Z DIODE	
D0107	MA3120/M/-X	Z DIODE	
D0108	MA3120/M/-X	Z DIODE	

Symbol No.	Part No.	Part Name	Description
DIODE			
D0109	MA3120/M/-X	Z DIODE	
D0110	MA3120/M/-X	Z DIODE	
D0111	MA3120/M/-X	Z DIODE	
D0112	MA3120/M/-X	Z DIODE	
D0113	MA3120/M/-X	Z DIODE	
D0601	RD8.2E/BZ/-T2	Z DIODE	
TRANSISTOR			
Q0101	DTC323TK-X	DIGI TRANSISTOR	
Q0102	2SA1037AK/QR/-X	TRANSISTOR	
Q0103	DTC323TK-X	DIGI TRANSISTOR	
Q0104	2SC2412K/QR/-X	TRANSISTOR	
Q0105	2SC2412K/QR/-X	TRANSISTOR	
Q0106	2SC2412K/QR/-X	TRANSISTOR	
Q0107	2SC2412K/QR/-X	TRANSISTOR	
Q0108	2SA1037AK/QR/-X	TRANSISTOR	
Q0109	DTC323TK-X	DIGI TRANSISTOR	
Q0110	DTC323TK-X	DIGI TRANSISTOR	
Q0111	2SC2412K/QR/-X	TRANSISTOR	
Q0112	2SC2412K/QR/-X	TRANSISTOR	
Q0116	2SA933AS/QR/-T	TRANSISTOR	
Q0118	2SC1740S/QR/-T	TRANSISTOR	
Q0119	2SC2412K/QR/-X	TRANSISTOR	
Q0120	2SC2412K/QR/-X	TRANSISTOR	
IC			
IC0101	CXA20890-X	IC	
IC0603	MSP3415DQGB3GHX	IC	
OTHERS			
CN0006	QGB1505K1-50	B TO B CONNE	
J0001	QN20465-001	21P CONNECTOR	
J0002	QN20463-001	21P CONNECTOR	
K0101	CE42681-001Y	CHIP BEADS CORE	
K0102	CE42681-001Y	CHIP BEADS CORE	
K0103	CE42681-001Y	CHIP BEADS CORE	
K0104	CE42681-001Y	CHIP BEADS CORE	
K0601	NQR089-003X	FERRITE BEADS	
K0602	NQR089-003X	FERRITE BEADS	
LC0601	NQR0431-001X	EMI FILTER	
X0601	CE42546-001Z	X TAL	
■ DOLBY P.W. BOARD ASS'Y (SJL0D001A-U2)			
Symbol No.	Part No.	Part Name	Description
RESISTOR			
R101	NRS463J-223X	MG R	22KΩ 1/16W J
R102	NRS463J-683X	MG R	68KΩ 1/16W J
R103	NRS463J-223X	MG R	22KΩ 1/16W J
R104	NRS463J-683X	MG R	68KΩ 1/16W J
R105	NRS463J-105X	MG R	10KΩ 1/16W J
R106	NRS463J-271X	MG R	27KΩ 1/16W J
R107	NRS463J-271X	MG R	27KΩ 1/16W J
R108	NRS463J-271X	MG R	27KΩ 1/16W J
R109	NRS463J-271X	MG R	27KΩ 1/16W J
R110	NRS463J-473X	MG R	47KΩ 1/16W J
R111	NRS463J-102X	MG R	1KΩ 1/16W J
R112	NRS463J-0R0X	MG R	0.0Ω 1/16W J
R113	NRS463J-102X	MG R	1KΩ 1/16W J
R114	NRS463J-0R0X	MG R	0.0Ω 1/16W J
R115	NRS463J-102X	MG R	1KΩ 1/16W J
R117	NRS463J-472X	MG R	4.7KΩ 1/16W J
R118	NRS463J-103X	MG R	10KΩ 1/16W J
R201	NRS463J-273X	MG R	27KΩ 1/16W J
R202	NRS463J-153X	MG R	15KΩ 1/16W J
R203	NRS463J-103X	MG R	10KΩ 1/16W J
R204	NRS463J-103X	MG R	10KΩ 1/16W J
R205	NRS463J-103X	MG R	10KΩ 1/16W J
R206	NRS463J-104X	MG R	100KΩ 1/16W J
R207	NRS463J-273X	MG R	27KΩ 1/16W J
R208	NRS463J-153X	MG R	15KΩ 1/16W J
R209	NRS463J-104X	MG R	100KΩ 1/16W J
R210	NRS463J-103X	MG R	10KΩ 1/16W J
R211	NRS463J-123X	MG R	12KΩ 1/16W J
R212	NRS463J-103X	MG R	10KΩ 1/16W J
R213	NRS463J-104X	MG R	100KΩ 1/16W J

AV32R25EKS
AV32R250EKS

Symbol No.	Part No.	Part Name	Description
RESISTOR			
R214	NRSAG3J-123X	MG R	12kΩ 1/16W J
R215	NRSAG3J-123X	MG R	12kΩ 1/16W J
R216	NRSAG3J-103X	MG R	10kΩ 1/16W J
R217	NRSAG3J-104X	MG R	100kΩ 1/16W J
R218	NRSAG3J-123X	MG R	12kΩ 1/16W J
R303	NRSAG3J-103X	MG R	10kΩ 1/16W J
R304	NRSAG3J-394X	MG R	390kΩ 1/16W J
R305	NRSAG3J-394X	MG R	390kΩ 1/16W J
R306	NRSAG3J-562X	MG R	5.6kΩ 1/16W J
R307	NRSAG3J-562X	MG R	5.6kΩ 1/16W J
R310	NRSAG3J-562X	MG R	5.6kΩ 1/16W J
R311	NRSAG3J-562X	MG R	5.6kΩ 1/16W J
R312	NRSAG3J-394X	MG R	390kΩ 1/16W J
R313	NRSAG3J-394X	MG R	390kΩ 1/16W J
R314	NRSAG3J-103X	MG R	10kΩ 1/16W J
R315	NRSAG3J-103X	MG R	10kΩ 1/16W J
R401	NRSAG3J-101X	MG R	100Ω 1/16W J
R402	NRSAG3J-104X	MG R	100kΩ 1/16W J
R403	NRSAG3J-223X	MG R	22kΩ 1/16W J
R404	NRSAG3J-103X	MG R	10kΩ 1/16W J
R405	NRSAG3J-103X	MG R	10kΩ 1/16W J
R407	NRSAG3J-183X	MG R	18kΩ 1/16W J
R408	NRSAG3J-101X	MG R	100Ω 1/16W J
R409	NRSAG3J-104X	MG R	100kΩ 1/16W J
R501	NRSAG3J-273X	MG R	27kΩ 1/16W J
R502	NRSAG3J-153X	MG R	15kΩ 1/16W J
R503	NRSAG3J-103X	MG R	10kΩ 1/16W J
R504	NRSAG3J-104X	MG R	100kΩ 1/16W J
R505	NRSAG3J-153X	MG R	15kΩ 1/16W J
R506	NRSAG3J-103X	MG R	10kΩ 1/16W J
R507	NRSAG3J-273X	MG R	27kΩ 1/16W J
R508	NRSAG3J-103X	MG R	10kΩ 1/16W J
R509	NRSAG3J-104X	MG R	100kΩ 1/16W J
R510	NRSAG3J-681X	MG R	680Ω 1/16W J
R511	NRSAG3J-681X	MG R	680Ω 1/16W J
R512	NRSAG3J-103X	MG R	10kΩ 1/16W J
R514	NRSAG3J-104X	MG R	100kΩ 1/16W J
R516	NRSAG3J-103X	MG R	10kΩ 1/16W J
R517	NRSAG3J-103X	MG R	10kΩ 1/16W J
R551	NRSAG3J-103X	MG R	10kΩ 1/16W J
R552	NRSAG3J-103X	MG R	10kΩ 1/16W J
R553	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R554	NRSAG3J-822X	MG R	8.2kΩ 1/16W J
R555	NRSAG3J-333X	MG R	33kΩ 1/16W J
R556	NRSAG3J-333X	MG R	33kΩ 1/16W J
R557	NRSAG3J-333X	MG R	33kΩ 1/16W J
R558	NRSAG3J-472X	MG R	4.7kΩ 1/16W J
R559	NRSAG3J-153X	MG R	15kΩ 1/16W J
R560	NRSAG3J-683X	MG R	68kΩ 1/16W J
R561	NRSAG3J-153X	MG R	15kΩ 1/16W J
R562	NRSAG3J-683X	MG R	68kΩ 1/16W J

CAPACITOR

C101	NCB31CK-104X	C CAP.	0.1μF 16V K
C103	NDC31HJ-221X	C CAP.	220pF 50V J
C104	QETNLEM-475Z	E CAP.	4.7μF 50V M
C105	NCB31CK-104X	C CAP.	0.1μF 16V K
C106	QETNLEM-476Z	E CAP.	47μF 25V M
C107	QETNLEM-476Z	E CAP.	47μF 25V M
C108	QETNLEM-476Z	E CAP.	47μF 25V M
C109	QETNLEM-475Z	E CAP.	4.7μF 50V M
C110	NDC31HJ-221X	C CAP.	220pF 50V J
C111	NDC31HJ-100X	C CAP.	10pF 50V J
C112	NDC31HJ-100X	C CAP.	10pF 50V J
C114	QETNLEM-476Z	E CAP.	47μF 25V M
C115	QETNLEM-476Z	E CAP.	47μF 25V M
C116	NCB31CK-104X	C CAP.	0.1μF 16V K
C117	QETNLEM-476Z	E CAP.	47μF 25V M
C118	QETNLEM-476Z	E CAP.	47μF 25V M
C119	QETNLEM-476Z	E CAP.	47μF 25V M
C120	NCB31CK-104X	C CAP.	0.1μF 16V K
C121	QETNLEM-476Z	E CAP.	47μF 25V M
C122	QETNLEM-476Z	E CAP.	47μF 25V M
C123	NCB31CK-104X	C CAP.	0.1μF 16V K
C124	NDC31HJ-221X	C CAP.	220pF 50V J
C125	NDC31HJ-221X	C CAP.	220pF 50V J
C126	NDC31HJ-221X	C CAP.	220pF 50V J
C127	NDC31HJ-221X	C CAP.	220pF 50V J
C128	QETNLEM-476Z	E CAP.	47μF 25V M

Symbol No.	Part No.	Part Name	Description
CAPACITOR			
C129	NCB31CK-104X	C CAP.	0.1μF 16V K
C130	NCB31CK-104X	C CAP.	0.1μF 16V K
C131	NCB31CK-104X	C CAP.	0.1μF 16V K
C132	NCB31CK-104X	C CAP.	0.1μF 16V K
C133	NCB31CK-104X	C CAP.	0.1μF 16V K
C134	QETNLEM-107Z	E CAP.	100μF 16V M
C135	NCB31CK-104X	C CAP.	0.1μF 16V K
C137	QETNLEM-107Z	E CAP.	100μF 16V M
C138	QETNLEM-476Z	E CAP.	47μF 25V M
C142	NCB31CK-104X	C CAP.	0.1μF 16V K
C145	NCB31CK-104X	C CAP.	0.1μF 16V K
C148	NCB31HK-222X	C CAP.	2200pF 50V K
C149	NCB31HK-222X	C CAP.	2200pF 50V K
C150	NCB31CK-104X	C CAP.	0.1μF 16V K
C151	NCB31CK-104X	C CAP.	0.1μF 16V K
C152	QETNLEM-107Z	E CAP.	100μF 16V M
C201	NDC31HJ-470X	C CAP.	47pF 50V J
C202	NCF31AZ-105X	C CAP.	1μF 10V Z
C203	QETNLEM-476Z	E CAP.	47μF 25V M
C204	NDC31HJ-470X	C CAP.	47pF 50V J
C205	NCF31AZ-105X	C CAP.	1μF 10V Z
C206	QETNLEM-476Z	E CAP.	47μF 25V M
C207	NCF31AZ-105X	C CAP.	1μF 10V Z
C208	NDC31HJ-470X	C CAP.	47pF 50V J
C209	NDC31HJ-470X	C CAP.	47pF 50V J
C210	NCF31AZ-105X	C CAP.	1μF 10V Z
C301	QETNLEM-476Z	E CAP.	47μF 25V M
C302	NCB31CK-104X	C CAP.	0.1μF 16V K
C303	NCB31CK-104X	C CAP.	0.1μF 16V K
C304	NCB31CK-104X	C CAP.	0.1μF 16V K
C305	NCB31CK-104X	C CAP.	0.1μF 16V K
C306	NCB31HK-222X	C CAP.	2200pF 50V K
C307	NCB31HK-222X	C CAP.	2200pF 50V K
C308	QETNLEM-226Z	E CAP.	22μF 50V M
C309	NCF31AZ-105X	C CAP.	1μF 10V Z
C310	NCF31AZ-105X	C CAP.	1μF 10V Z
C311	QETNLEM-476Z	E CAP.	47μF 25V M
C312	NCB31CK-104X	C CAP.	0.1μF 16V K
C313	NCB31CK-104X	C CAP.	0.1μF 16V K
C314	NCB31CK-104X	C CAP.	0.1μF 16V K
C315	NCB31CK-104X	C CAP.	0.1μF 16V K
C316	NCB31HK-222X	C CAP.	2200pF 50V K
C317	QETNLEM-476Z	E CAP.	47μF 25V M
C318	QETNLEM-226Z	E CAP.	22μF 50V M
C319	NCF31AZ-105X	C CAP.	1μF 10V Z
C320	NCF31AZ-105X	C CAP.	1μF 10V Z
C321	NCB31HK-222X	C CAP.	2200pF 50V K
C401	NCF31AZ-105X	C CAP.	1μF 10V Z
C402	NDC31HJ-470X	C CAP.	47pF 50V J
C404	NCF31AZ-105X	C CAP.	1μF 10V Z
C405	QETNLEM-476Z	E CAP.	47μF 25V M
C406	NCF31AZ-105X	C CAP.	1μF 10V Z
C501	NCF31AZ-105X	C CAP.	1μF 10V Z
C502	NCF31AZ-105X	C CAP.	1μF 10V Z
C503	NDC31HJ-100X	C CAP.	10pF 50V J
C504	NDC31HJ-100X	C CAP.	10pF 50V J
C505	QETNLEM-476Z	E CAP.	47μF 25V M
C506	QETNLEM-106Z	E CAP.	10μF 50V M
C507	QETNLEM-106Z	E CAP.	10μF 50V M
C508	QETNLEM-476Z	E CAP.	47μF 25V M
C509	NCB31HK-222X	C CAP.	2200pF 50V K
C510	NCB31HK-222X	C CAP.	2200pF 50V K
C551	QETNLEM-476Z	E CAP.	47μF 25V M
C552	NCB31CK-823X	C CAP.	0.082μF 16V K
C553	NCB31HK-123X	C CAP.	0.012μF 50V K
C554	QETNLEM-476Z	E CAP.	47μF 25V M
C555	NCB31HK-103X	C CAP.	0.01μF 50V K
C556	NCB31HK-103X	C CAP.	0.01μF 50V K
C557	QETNLEM-106Z	E CAP.	10μF 50V M
C558	NCB31EK-273X	C CAP.	0.027μF 25V K
C559	NCB31EK-273X	C CAP.	0.027μF 25V K
C560	QETNLEM-106Z	E CAP.	10μF 50V M
C561	NCF31AZ-105X	C CAP.	1μF 10V Z
C562	NCF31AZ-105X	C CAP.	1μF 10V Z

COIL

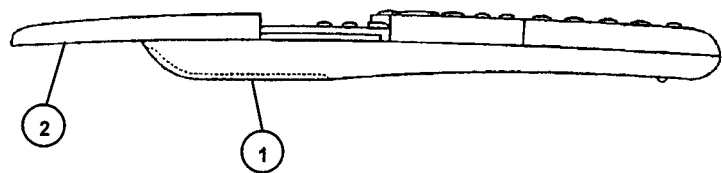
L101	NQL085J-4R7X	INDUCTOR
L102	NQL085J-4R7X	INDUCTOR
L103	NQL085J-4R7X	INDUCTOR
L104	NQL085J-4R7X	INDUCTOR

Symbol No.	Part No.	Part Name	Description
COIL			
L501	NQL085J-100X	INDUCTOR	
L502	NQL085J-100X	INDUCTOR	
DIODE			
D105	MA111-X	SI DIODE	
D501	MA3150/M/-X	Z DIODE	
D502	MA3150/M/-X	Z DIODE	
TRANSISTOR			
Q101	DTC124EKA-X	DIGI TRANSISTOR	
Q301	DTC124EKA-X	DIGI TRANSISTOR	
Q501	2SA1037AK/QR/-X	TRANSISTOR	
Q502	DTC323TK-X	DIGI TRANSISTOR	
Q503	DTC323TK-X	DIGI TRANSISTOR	
IC			
IC101	TC9471F	IC	
IC102	S-80828ANNP-W	IC	
IC201	BA10824AF-XE	IC	
IC301	TC4052BF/N/-XE	IC	
IC302	BD3869F-X	IC	
IC303	BD3869F-X	IC	
IC401	BA4558F-X	IC	
IC501	BA4558F-X	IC	
IC551	BA10824AF-XE	IC	
OTHERS			
CW012	QGB1505K1-40	B TO B CONNE	
J001	QNN0294-001	PIN JACK	
J002	QNB0006-002	PUSH TERMINAL	
LC101	NQR0813-009X	EMI FILTER	
LC102	NQR0813-009X	EMI FILTER	
X101	NAX0288-001X	CRYSTAL	

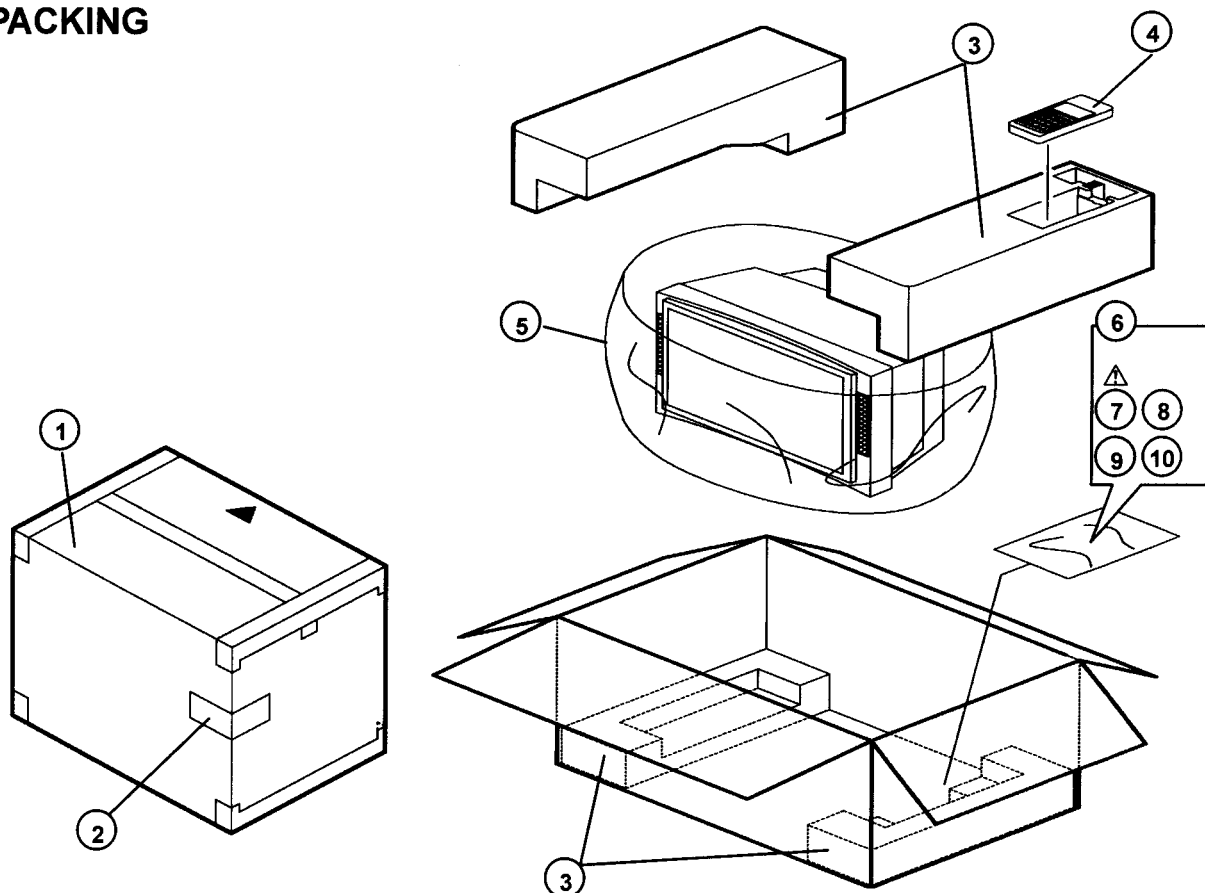
AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

REMOTE CONTROL UNIT PARTS LIST

△ Ref.No.	Part No.	Part Name	Description
AV32T25EKS / AV32T55EKS / AV32T25EIS (RM-C55H-1C)			
1	2AA030733	BATTERY COVER	
2	2AA030740	SLIDE COVER	
AV32R25EKS / AV32R250EKS (RM-C60H-1C)			
1	2AA027770	BATTERY COVER	
2	2AA027760	SLIDE COVER	



PACKING

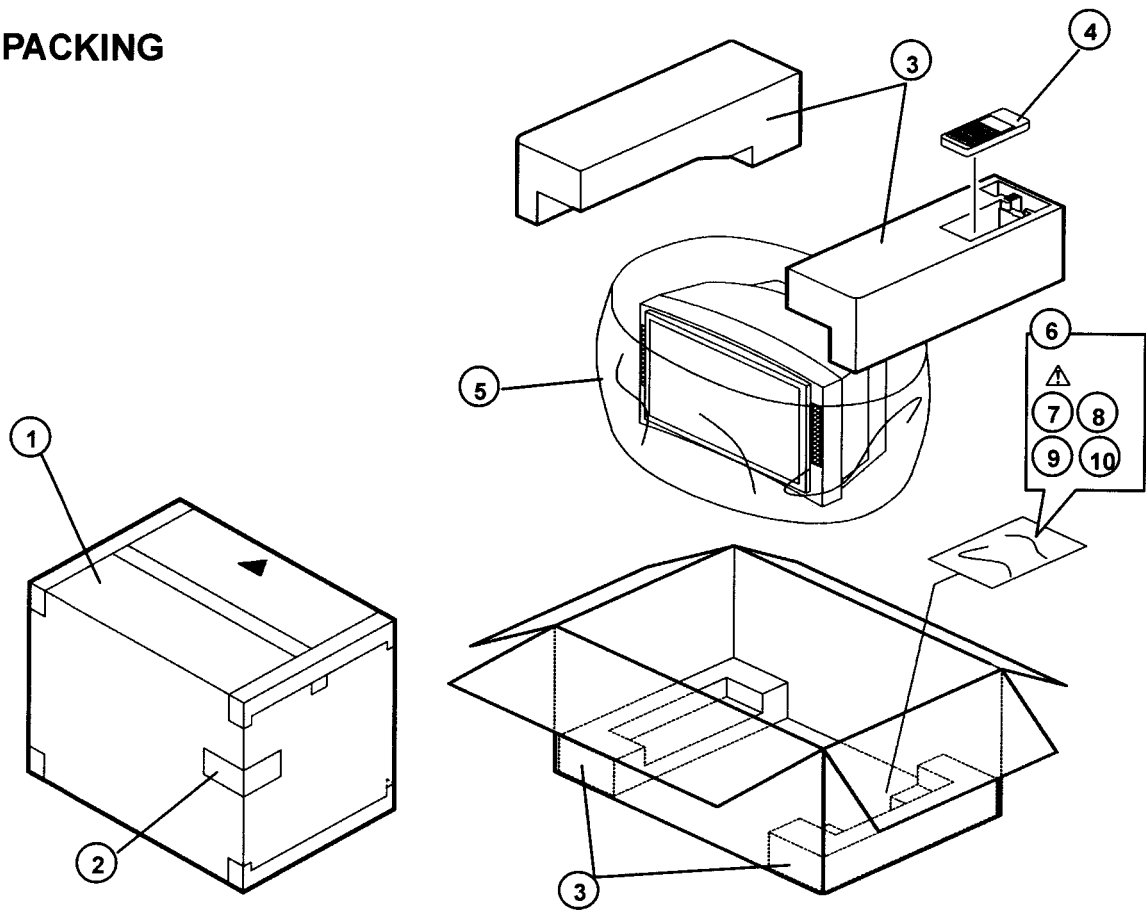


PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description
AV32T25EKS / AV32T55EKS			
1	LC10101-017A	PACKING CASE	
2	AEM1064-006-E	EURO LABEL	[AV32T25EKS]
2	AEM1064-029-E	EURO LABEL	[AV32T55EKS]
3	LC11373-001A	CUSHION ASSY	4pcs in 1set
4	RM-C55H-1C	RC HAND UNIT	
5	AEM1047-A02-E	FORM BAG	
6	AEM3021-002-E	DOCUMENT BAGS	
△ 7	LCT1153-001A-U	INST BOOK	
8	BT-54013-1E	WARRANTY CARD	
9	LCT1241-001A-U	INST SHEET	
10	AEM3148-001-E	REG CARD	

AV32T25EIS			
1	LC10101-017A	PACKING CASE	
2	AEM1064-008-E	EURO LABEL	
3	LC11373-001A	CUSHION ASSY	4pcs in 1set
4	RM-C55H-1C	RC HAND UNIT	
5	AEM1047-A02-E	FORM BAG	
6	AEM3021-002-E	DOCUMENT BAGS	
△ 7	LCT1153-001A-U	INST BOOK	
8	BT-54013-1E	WARRANTY CARD	
9	LCT1241-001A-U	INST SHEET	

PACKING



PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description
AV32R25EKS			
1	LC10101-017A	PACKING CASE	4pcs in 1set
2	AEM1064-001-E	EURO LABEL	
3	LC11361-001A	CUSHION ASSY	
4	RM-C60H-1C	REMOCON	
5	AEM1047-A02-E	FORM BAG	4pcs in 1set
6	AEM3021-002-E	DOCUMENT BAGS	
△ 7	LCT1152-001A-U	INST BOOK	
8	BT-54013-1E	WARRANTY CARD	
9	AEM3148-001-E	REG CARD	4pcs in 1set
10	LCT1241-001A-U	INST SHEET	
AV32R250EKS			
1	LC10101-017A	PACKING CASE	4pcs in 1set
2	AEM1064-016-E	EURO LABEL	
3	LC11361-001A	CUSHION ASSY	
4	RM-C60H-1C	REMOCON	
5	AEM1047-A02-E	FORM BAG	4pcs in 1set
6	AEM3021-002-E	DOCUMENT BAGS	
△ 7	LCT1152-001A-U	INST BOOK	
8	BT-54013-1E	WARRANTY CARD	
9	AEM3148-001-E	REG CARD	4pcs in 1set
10	LCT1241-001A-U	INST SHEET	

JVC

SCHEMATIC DIAGRAMS

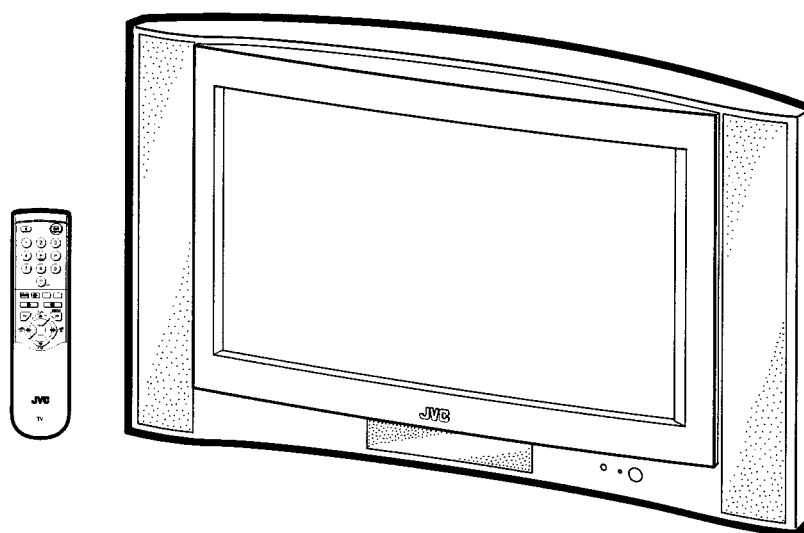
COLOUR TELEVISION

AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

BASIC CHASSIS

JL

CD-ROM No.SML200205



CONTENTS

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■ SEMICONDUCTOR SHAPES	2-2
■ BLOCK DIAGRAM	2-3
■ CIRCUIT DIAGRAMS	2-7
■ PATTERN DIAGRAMS	2-23

JVC

SERVICE MANUAL

COLOUR TELEVISION

AV32T25EKS/A / AV32R25EKS/A
AV32T55EKS/A / AV32R250EKS/A
AV32T25EIS/A

BASIC CHASSIS

JL

Supplementary

The following items for the A models were changed from those of the B models. Therefore, this Service Manual describes only the items which differ from those of the B models Service Manual. For details other than those described in this manual, please refer to the B models Service Manual (No.51968, May 2002) and Supplementary (No.51968B, Aug. 2002).

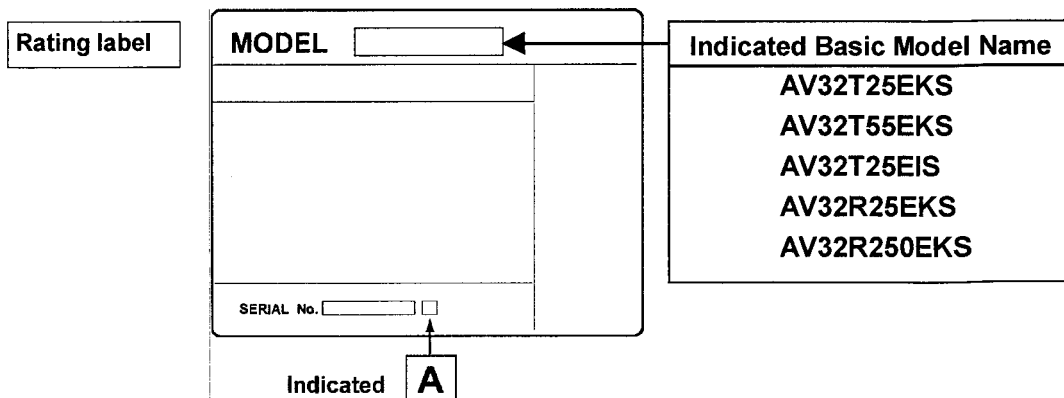
A models	B models
AV32T25EKS AV32T55EKS AV32T25EIS AV32R25EKS AV32R250EKS	AV32T25EKS/A AV32T55EKS/A AV32T25EIS/A AV32R25EKS/A AV32R250EKS/A

■ OUTLINE

Since the picture tube was changed, we have issued the SERVICE MANUAL for AV32T25EKS/A / AV32T55EKS/A / AV32T25EIS/A / AV32R25EKS/A / AV32R250EKS/A .

■ HOW TO IDENTIFY MODELS

A suffix "A" is added to the serial No. after at the Rating label.



DIFFERENCE LIST

● USING PW BOARD (Page 32)

MODEL PWB ASS'Y	AV32T25EKS AV32T55EKS AV32T25EIS	AV32T25EKS/A AV32T55EKS/A AV32T25EIS/A
MAIN PWB	SJL-1004A-U2 (AV32T25/T55EKS) SJL-1007A-U2 (AV32T25EIS)	SJL-1104A-U2 (AV32T25/T55EKS/A) SJL-1107A-U2 (AV32T25EIS/A)
POWER & DEF. PWB	SJL-2002A-H3	SJL-2102A-H3
CRT SOCKET PWB	SJL-3002A-H3 (INCORRECT) SJL-3002A-H3 (CORRECT)	SJL-3102A-H3

● USING PW BOARD (Page 32)

MODEL PWB ASS'Y	AV32R25EKS AV32R250EKS	AV32R25EKS/A AV32R250EKS/A
MAIN PWB	SJL-1008A-U2	SJL-1108A-U2
POWER & DEF. PWB	SJL-2004A-H3	SJL-2104A-H3
CRT SOCKET PWB	SJL-3002A-H3	SJL-3102A-H3

● EXPLODED VIEW PARTS LIST (2) (Page 34)

△	Ref. No.	Parts No.		Parts Name	Description
		AV32T25EKS AV32T55EKS AV32T25EIS	AV32T25EKS/A AV32T55EKS/A AV32T25EIS/A		
△	V01	W76QDD257X08	W76QEN881X100	PICTURE TUBE (ITC)	
△	17	LC11364-004A-U	LC11364-021A-U	RATING LABEL	[AV32T25EKS/A]
△	17	LC11364-014A-U	LC11364-022A-U	RATING LABEL	[AV32T55EKS/A]
△	17	LC11364-017A-U	LC11364-023A-U	RATING LABEL	[AV32T25EIS/A]

● PRINTED WIRING BOARD PARTS LIST [AV32T25EKS/A] [AV32T55EKS/A] [AV32T25EIS/A]

MAIN P.W. BOARD ASS'Y [AV32T25EKS/A] [AV32T55EKS/A] (Page 36~38) / [AV32T25EIS/A] (Page 39~41)					
△	Symbol No.	Parts No.		Parts name	Description
		SJL-1004A-U2 (AV32T25/T55EKS) SJL-1007A-U2 (AV32T25EIS)	SJL-1104A-U2 (AV32T25/T55EKS/A) SJL-1107A-U2 (AV32T25EIS/A)		
	R420	NRSA63J-123X	NRSA63J-183X	MG R	18KΩ 1/16W J
POWER & DEF. P.W. BOARD ASS'Y (Page 42~43)					
△	Symbol No.	Parts No.		Parts name	Description
		SJL-2002A-H3	SJL-2102A-H3		
△	R554	QRZ9022-R47	QRZ9022-R82	F R	0.82 Ω 1W K
	R561	QRL029J-220	QRL029J-221	OM R	220 Ω 2W J
	C407	QFLC1HJ-102Z	QFLC1HJ-122Z	M CAP.	1200pF 50V J
△	C521	QFZ0200-452	QFZ0200-472	MPP CAP.	4700pF1.5kVH±3%
	C542	QFZ0197-104	QFZ0197-154	MPP CAP.	0.15μF 250V J
	C561	QFLC1HJ-683Z	QFLC1HJ-473Z	M CAP.	0.047μF 50V J
△	Q521	2SD2553-LB	2SC5902-RL	POWER TRANSISTOR	H.OUT
CRT SOCKET P.W. BOARD ASS'Y (Page 44)					
△	Symbol No.	Parts No.		Parts name	Description
		SJL-3002A-H3	SJL-3102A-H3		
The number of PWB have been changed. However, there is no change in component parts.					

● EXPLODED VIEW PARTS LIST (2) (Page 48)

△	Ref. No.	Parts No.		Parts Name	Description
		AV32R25EKS AV32R250EKS	AV32R25EKS/A AV32R250EKS/A		
△	V01	W76QDD257X08	W76QEN881X100	PICTURE TUBE (ITC)	
△	17	LC11364-002A-U	LC11364-019A-U	RATING LABEL	[AV32R25EKS/A]
△	17	LC11364-015A-U	LC11364-020A-U	RATING LABEL	[AV32R250EKS/A]

● PRINTED WIRING BOARD PARTS LIST [AV32R25EKS/A] [AV32R250EKS/A]

MAIN P.W. BOARD ASS'Y (Page 50~52)					
△	Symbol No.	Parts No.		Parts name	Description
		SJL-1008A-U2	SJL-1108A-U2		
	R420	NRSA63J-123X	NRSA63J-183X	MG R	18KΩ 1/16W J
	R613	NRSA63J-104X	—————	MG R	Delete
POWER & DEF. P.W. BOARD ASS'Y (Page 53~54)					
△	Symbol No.	Parts No.		Parts name	Description
		SJL-2004A-H3	SJL-2104A-H3		
△	R554	QRZ9022-R47	QRZ9022-R82	F R	0.82 Ω 1W K
	R561	QRL029J-220	QRL029J-221	OM R	220 Ω 2W J
	C407	QFLC1HJ-102Z	QFLC1HJ-122Z	M CAP.	1200pF 50V J
△	C521	QFZ0200-452	QFZ0200-472	MPP CAP.	4700pF 1.5kVH±3%
	C542	QFZ0197-104	QFZ0197-154	MPP CAP.	0.15μF 250V J
	C561	QFLC1HJ-683Z	QFLC1HJ-473Z	M CAP.	0.047μF 50V J
△	Q521	2SD2553-LB	2SC5902-RL	POWER TRANSISTOR	H.OUT
CRT SOCKET P.W. BOARD ASS'Y (Page 55)					
△	Symbol No.	Parts No.		Parts name	Description
		SJL-3002A-H3	SJL-3102A-H3		
The number of PWB have been changed. However, there is no change in component parts.					

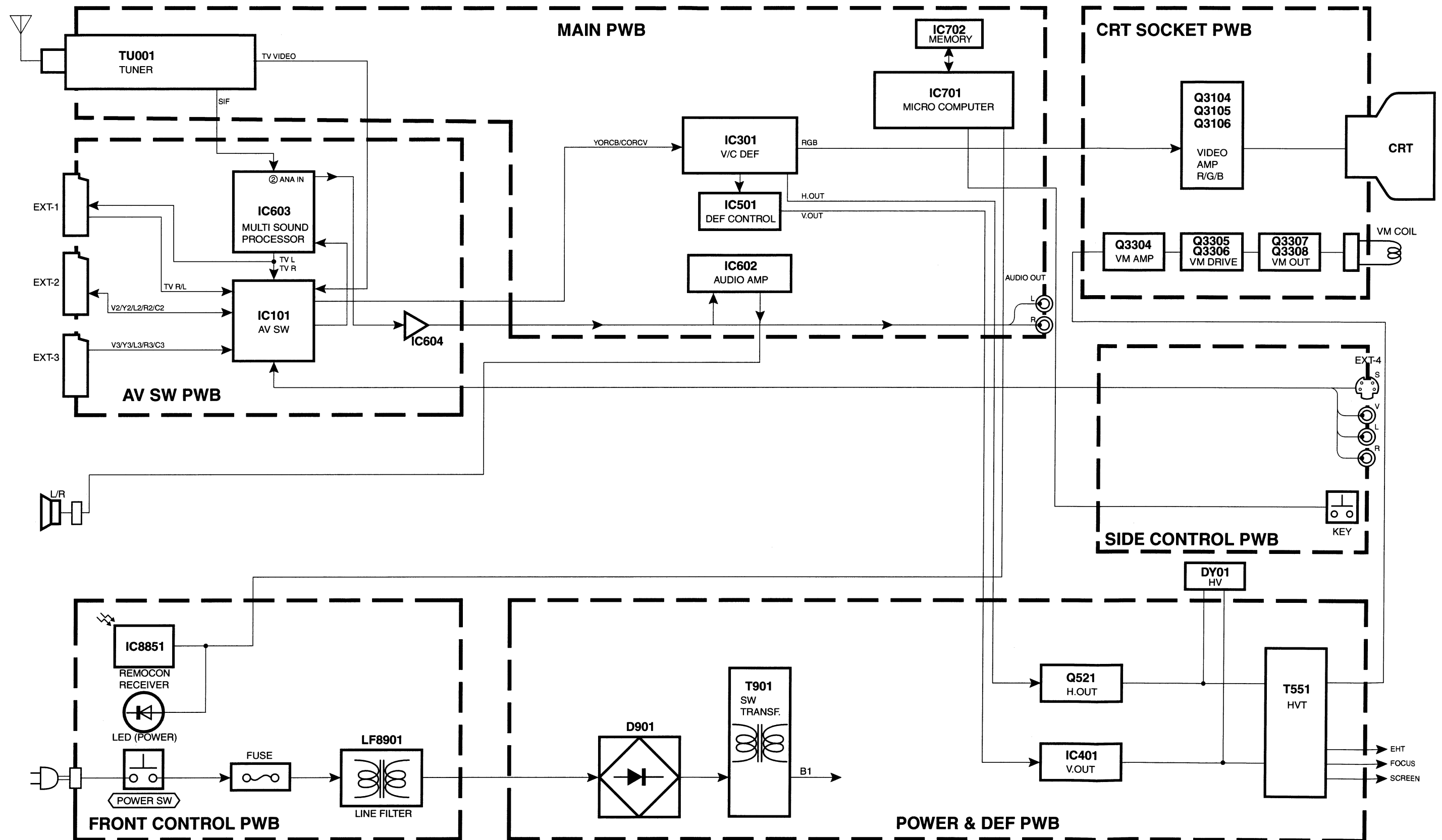
● PACKING PARTS LIST (Page 61)

△	Ref. No.	Parts No.		Parts Name	Description
		AV32T25EKS AV32T55EKS AV32T25EIS	AV32T25EKS/A AV32T55EKS/A AV32T25EIS/A		
	2	AEM1064-006-E	AEM1064-038-E	EURO LABEL	[AV32T25EKS/A]
	2	AEM1064-029-E	AEM1064-039-E	EURO LABEL	[AV32T55EKS/A]
	2	AEM1064-008-E	AEM1064-040-E	EURO LABEL	[AV32T25EIS/A]

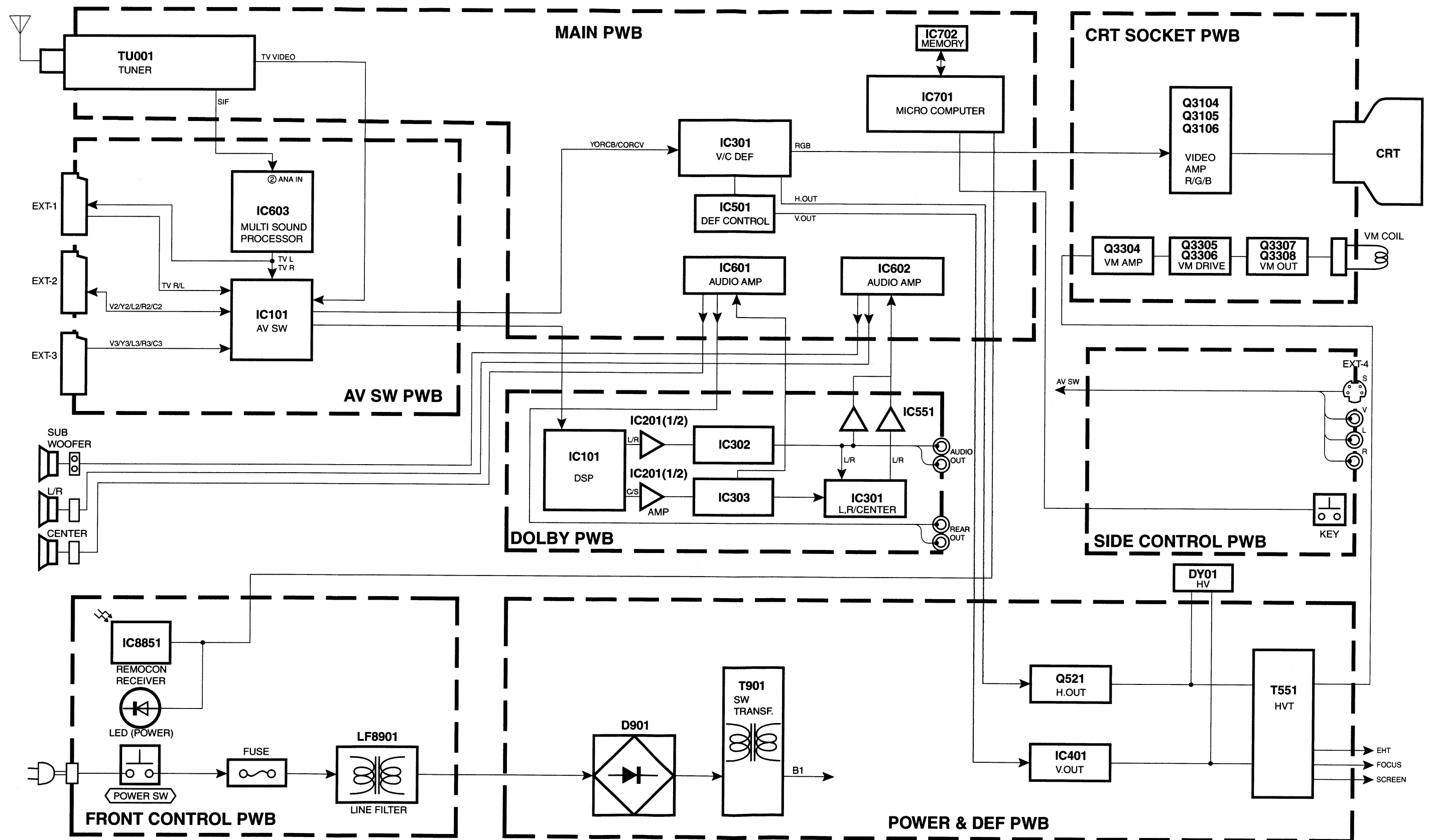
● PACKING PARTS LIST (Page 62)

△	Ref. No.	Parts No.		Parts Name	Description
		AV32R25EKS AV32R250EKS	AV32R25EKS/A AV32R250EKS/A		
	2	AEM1064-001-E	AEM1064-036-E	EURO LABEL	[AV32R25EKS/A]
	2	AEM1064-016-E	AEM1064-037-E	EURO LABEL	[AV32R250EKS/A]

BLOCK DIAGRAM (AV32T25EKS / AV32T25EIS / AV32T55EKS)



BLOCK DIAGRAM (AV32R25EKS / AV32R250EKS)



AV SW PWB

NOT USE

MAIN PWB (1/2)

SJL-1004A-U2
(AV32T25EKS / AV32T55EKS)

SJL-1007A-U2
(AV32T25EIS)

DIFFERENCE LIST

MODEL	COMPONENT	VALUE
AV32T25EKS	IC301 (4)	5Vp-p(H)
AV32T25EKS	IC301 (12)	3Vp-p(H)
AV32T25EKS	IC301 (13)	2.5Vp-p(H)
AV32T25EKS	IC301 (14)	3Vp-p(H)
AV32T25EKS	IC301 (35)	0.4Vp-p(H)
AV32T25EKS	IC301 (36)	0.55Vp-p(H)
AV32T25EKS	IC301 (37)	0.8Vp-p(H)
AV32T25EKS	IC301 (42)	0.8Vp-p(H)
AV32T25EKS	IC301 (53)	3.5Vp-p(H)

NOTE

X OPTION(NON MOUNT)

SW 1M-BW

0 NISAGLJ-00X

1 25G2412VQR-X

2 25A1037ACQR-X

3 MA111-X

4 MA1010M-X

5 DT0124EXA-X

6 DT0124EXA-X

7 DT0124EXA-X

8 25A832ASQR-1

SJL-1008A-U2
(AV32R25EKS)
(AV32R250EKS)



AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

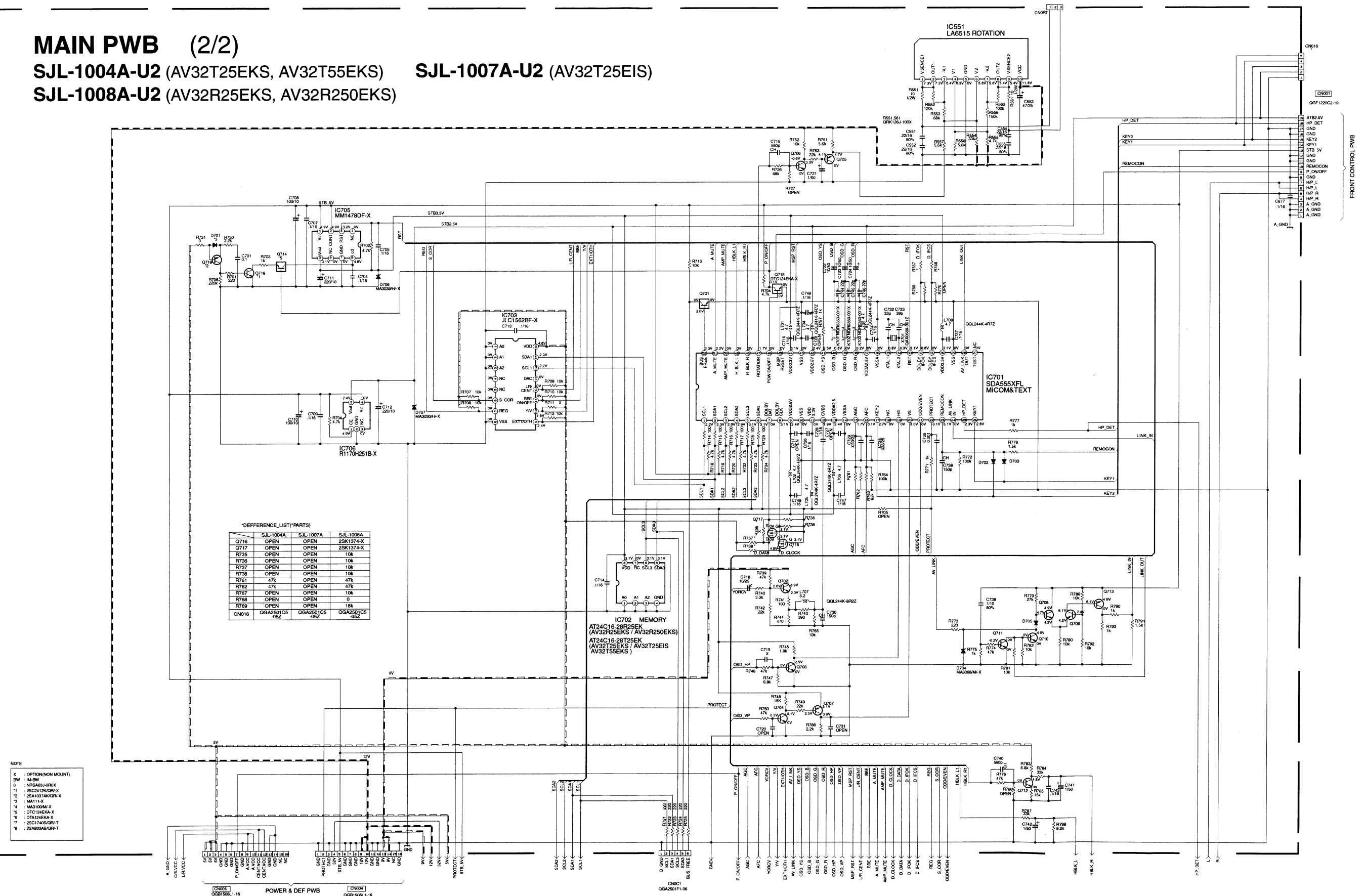
MAIN PWB CIRCUIT DIAGRAM [2/2]

MAIN PWB (2/2)

SJL-1004A-U2 (AV32T25EKS, AV32T55EKS)

SJL-1007A-U2 (AV32T25EIS)

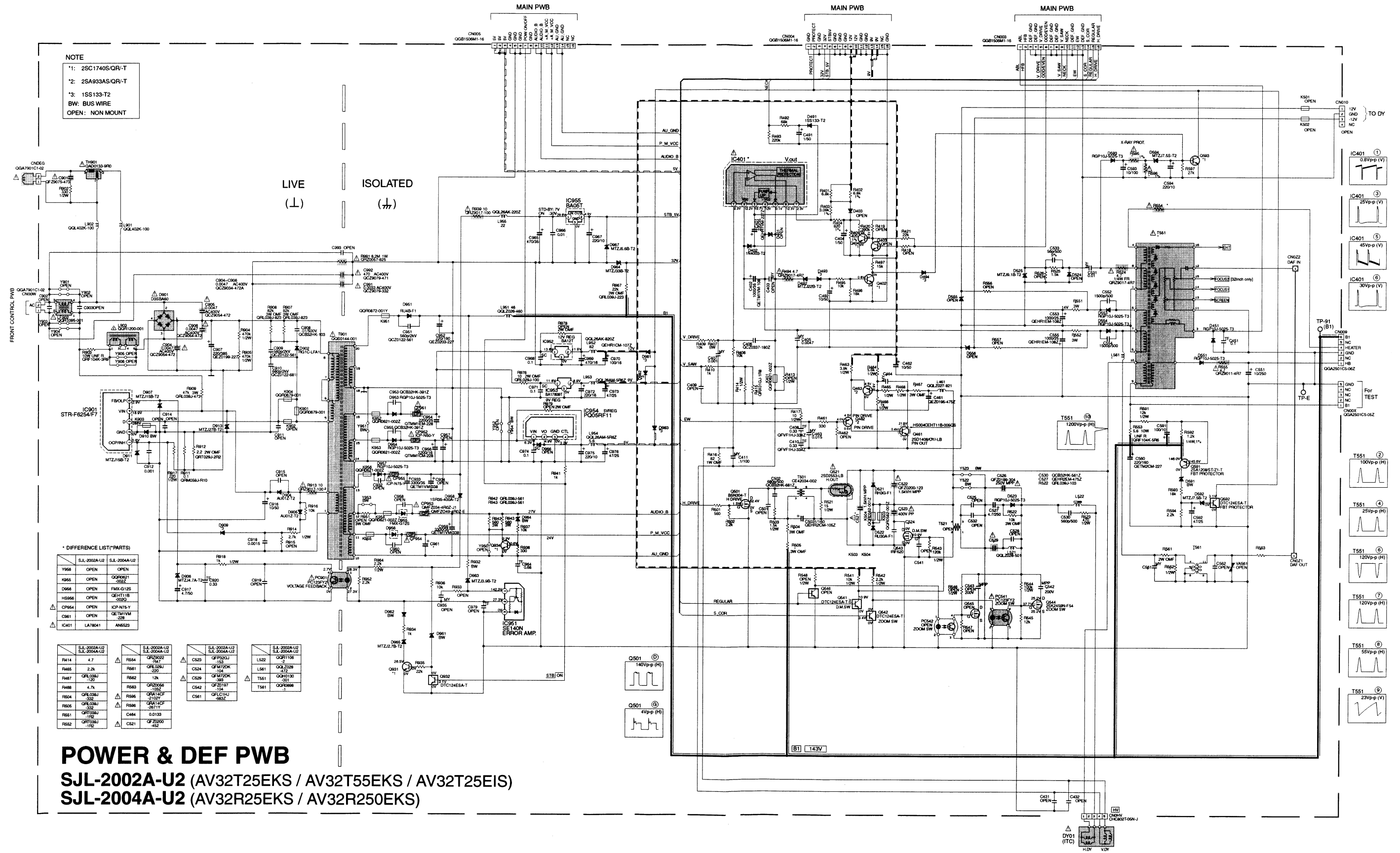
SJL-1008A-U2 (AV32R25EKS, AV32R250EKS)



POWER & DEF PWB CIRCUIT DIAGRAM

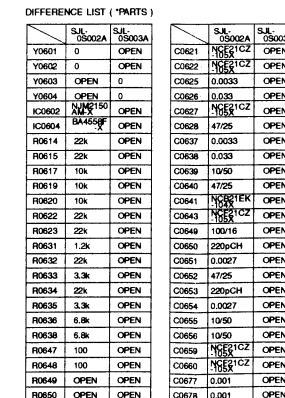
AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

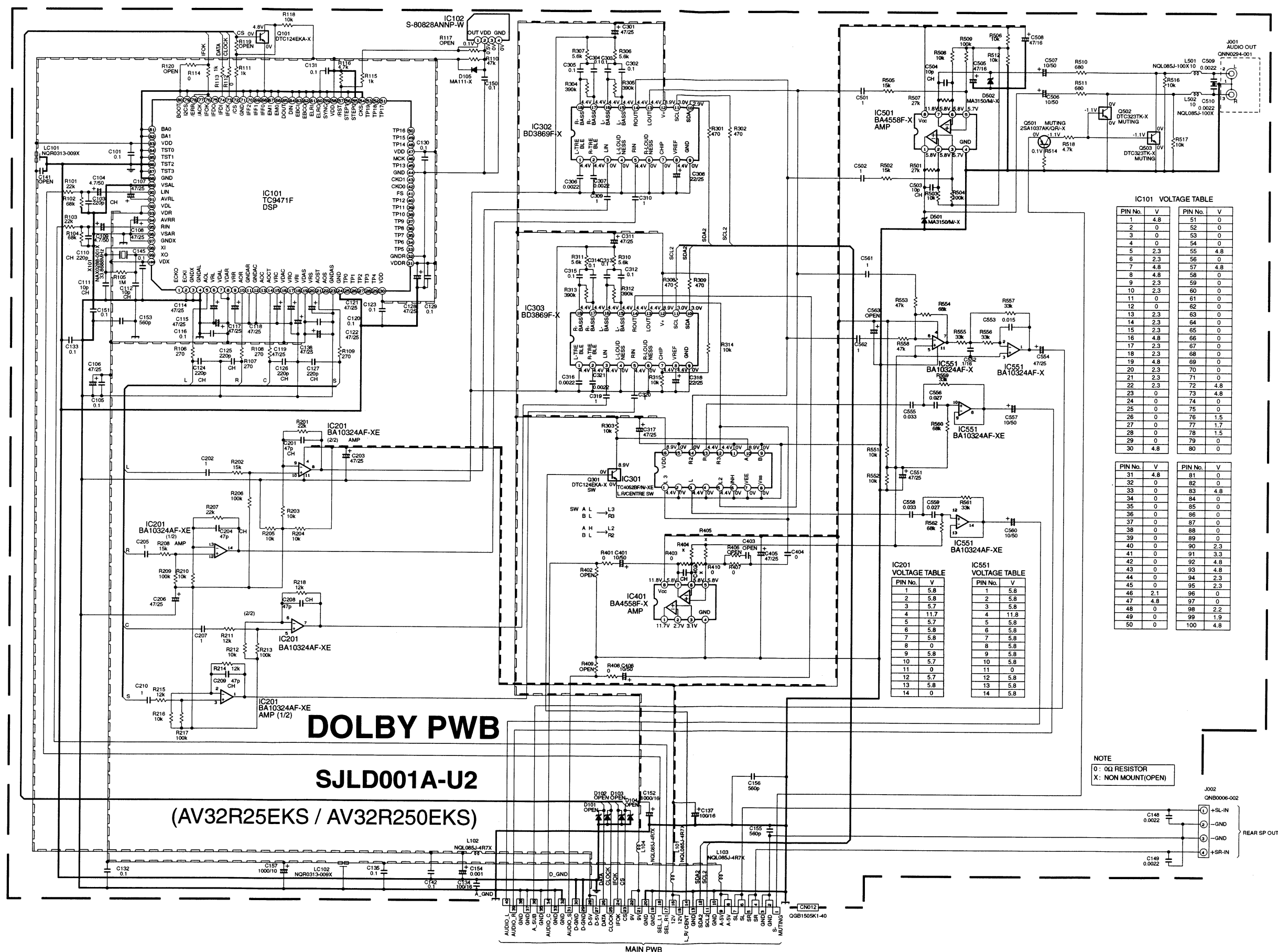


AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

SJL0S002A-U2 (AV32T25EKS / AV32T25EIS / AV32T55EKS)
SJL0S003A-U2 (AV32R25EKS / AV32R250EKS)



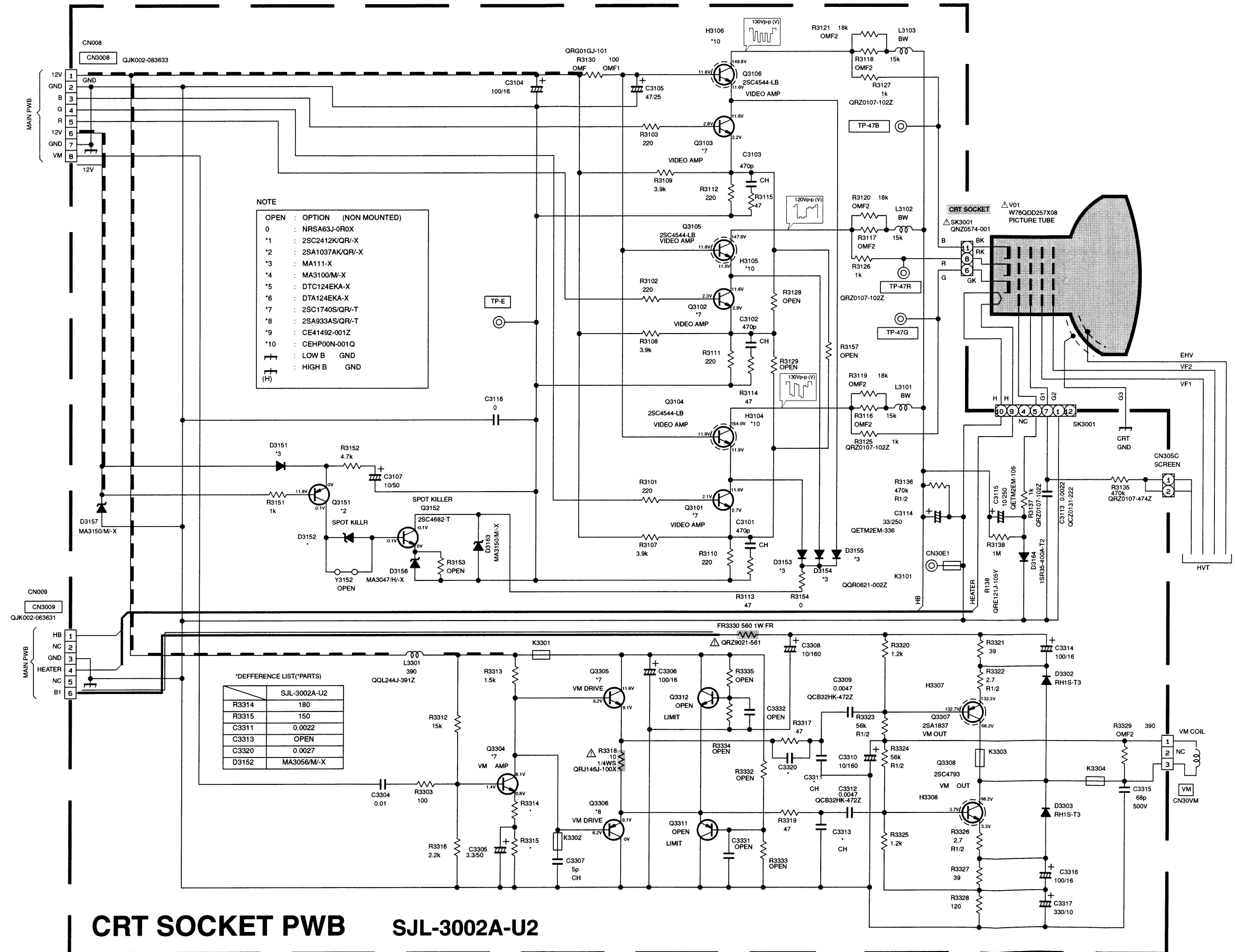
NOTE	
X	OPEN(NON MOUNT)
BW	IM-BW
0	MRS463J-CRQ-X
*1	2SC2412KQV-X
*2	2SA1037AKQV-X
*3	MA111-X
*4	MA3120M-X
*5	DTC124KA-X
*6	DTA124KA-X
*7	2SC1740BQV-T
*8	2SA933ASQV-T



AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

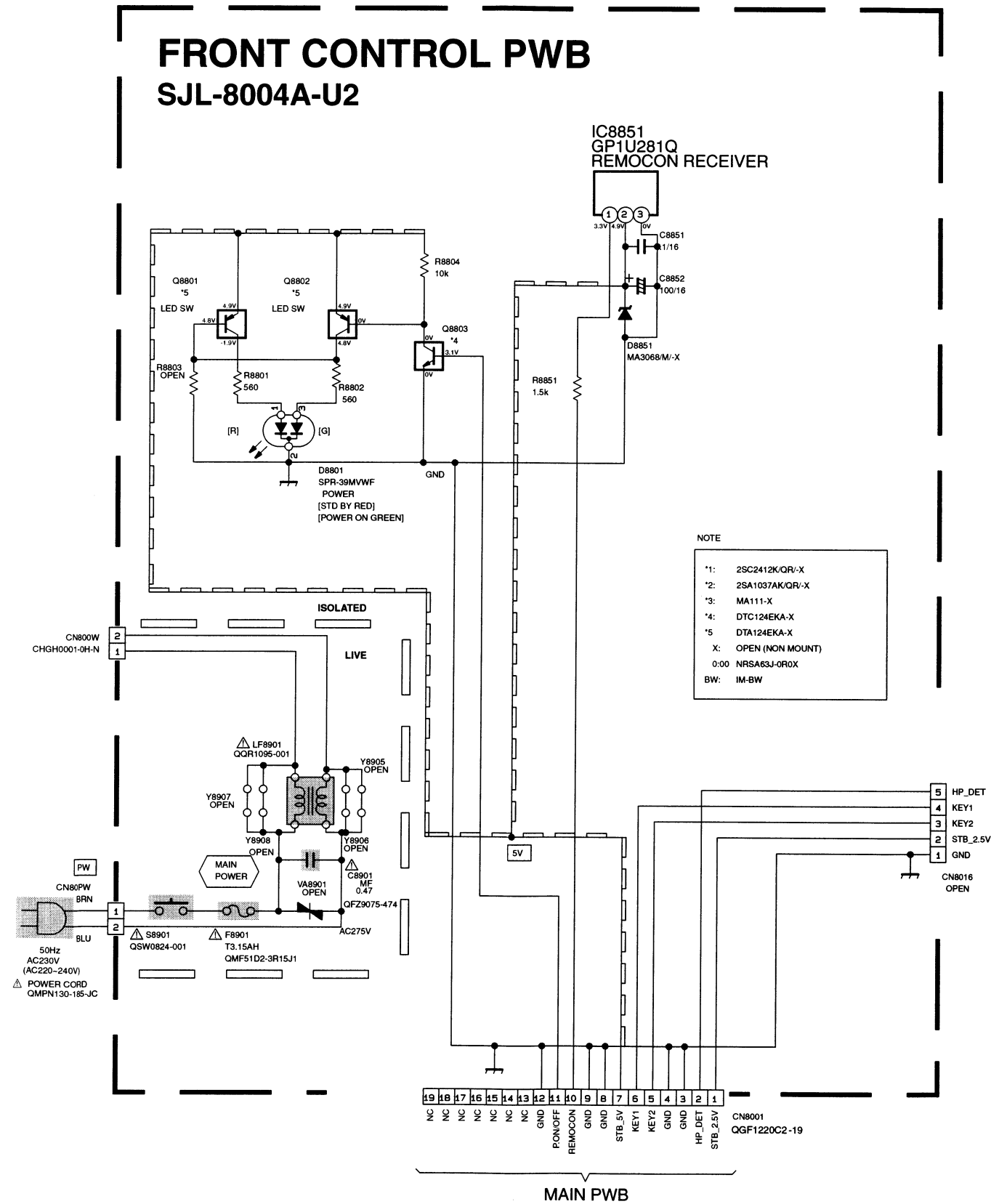
CRT SOCKET PWB CIRCUIT DIAGRAM



CRT SOCKET PWB SXL-3002A-U2

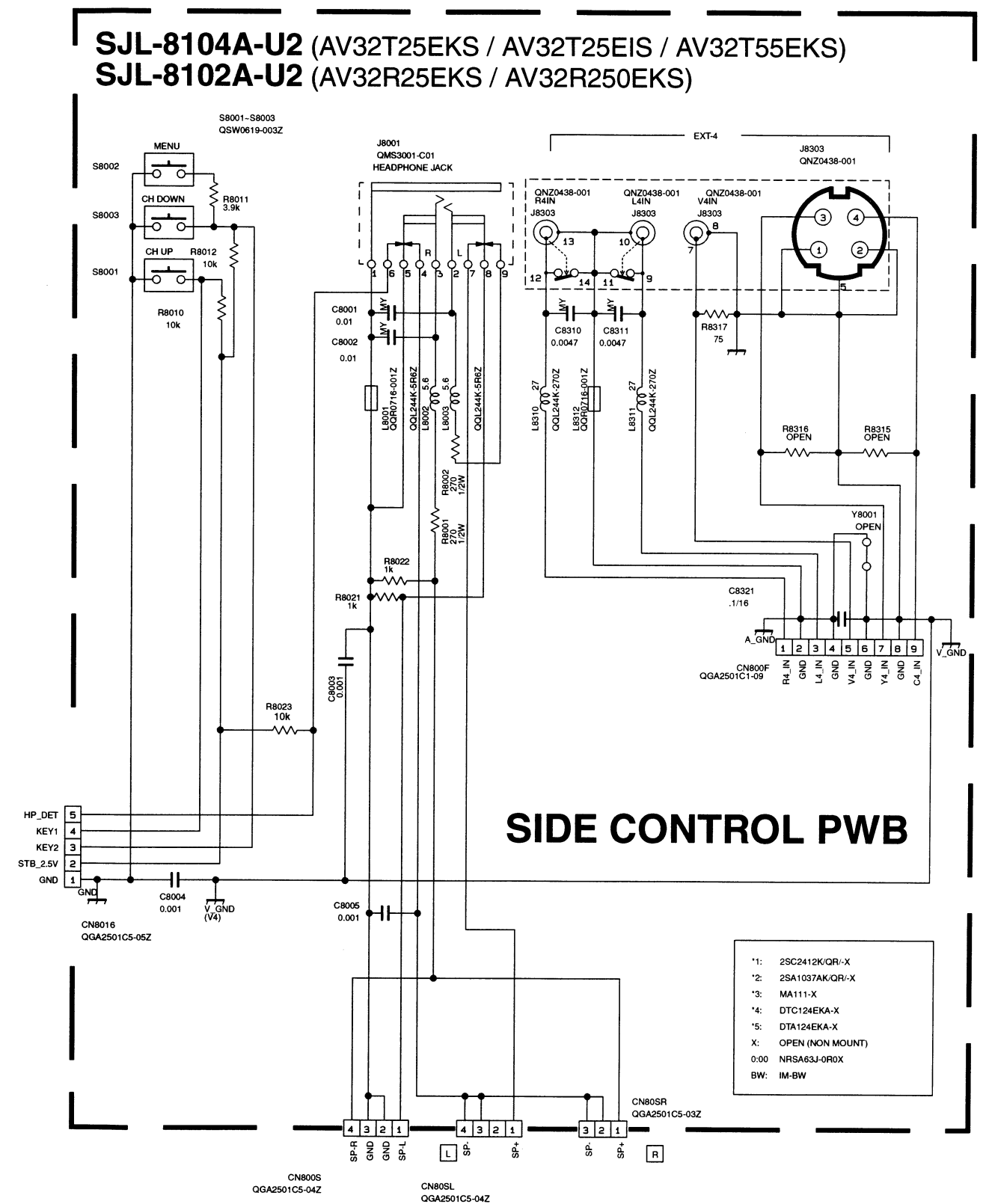
FRONT CONTROL PWB CIRCUIT DIAGRAM

AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

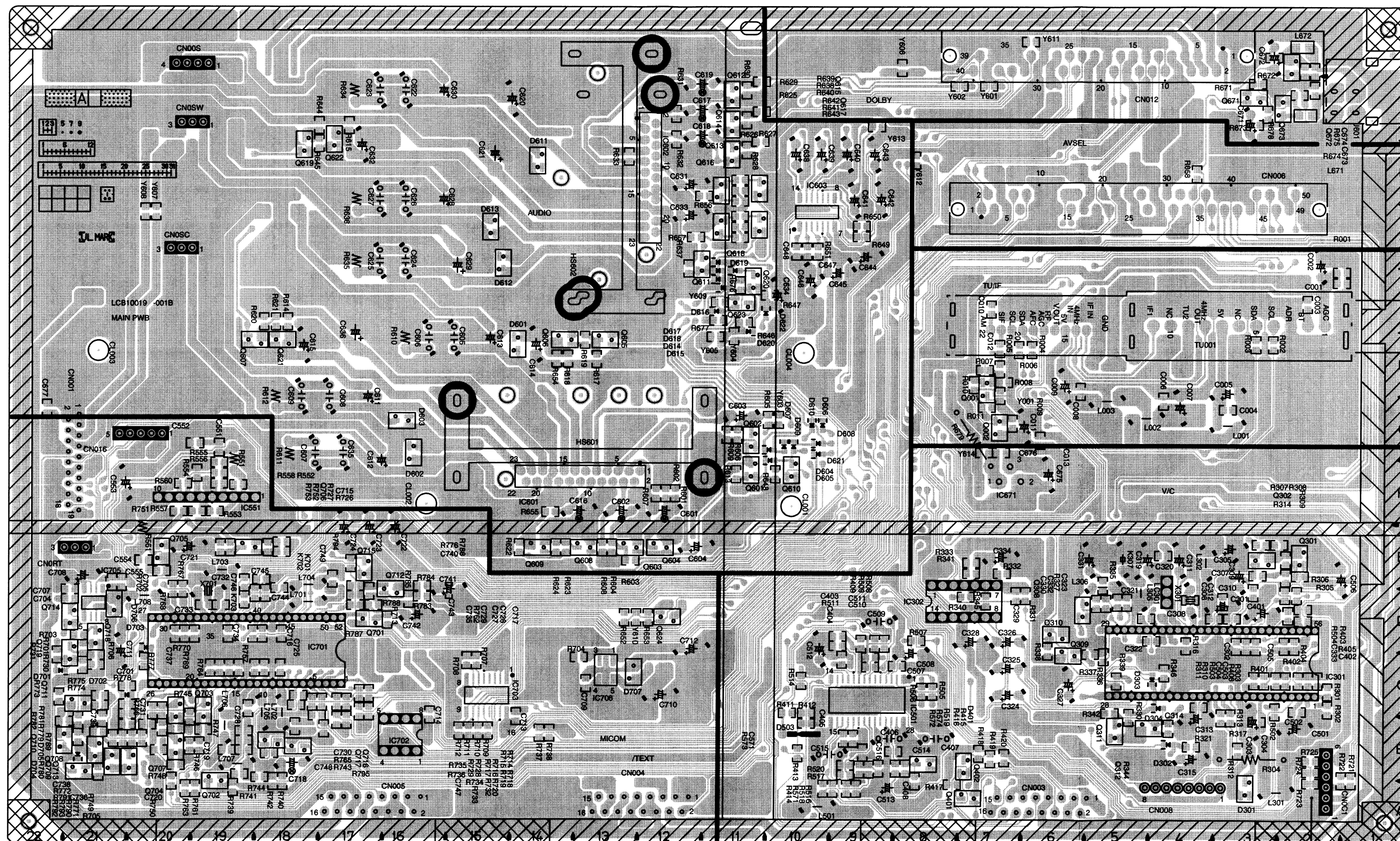


AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

SIDE CONTROL PWB CIRCUIT DIAGRAM



← FRONT



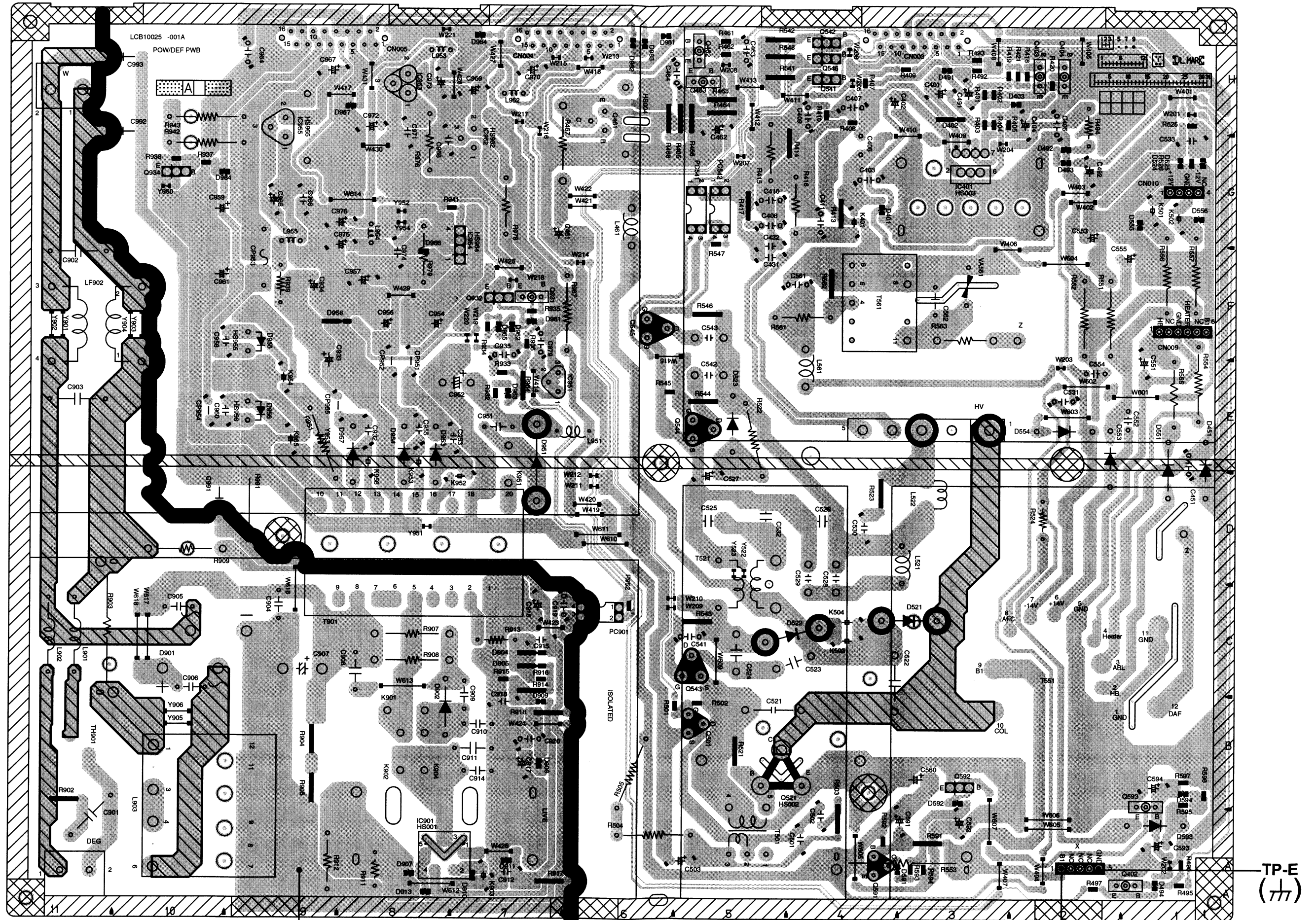
(1)

AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

AV32T25EKS / AV32R25EKS
AV32T55EKS / AV32R250EKS
AV32T25EIS

POWER & DEF PWB PATTERN

FRONT



No.51968

(T)

2-25

2-26

No.51968

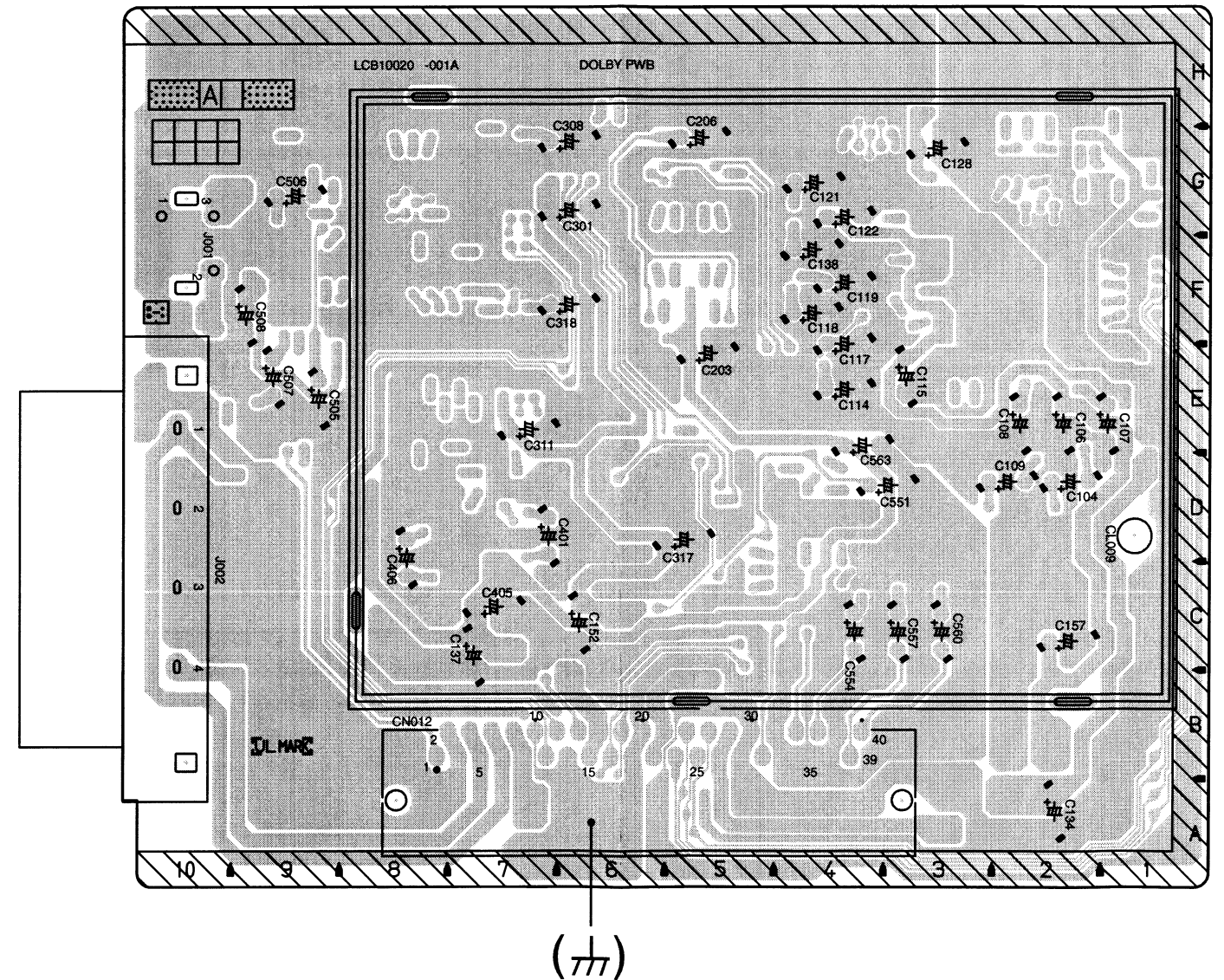
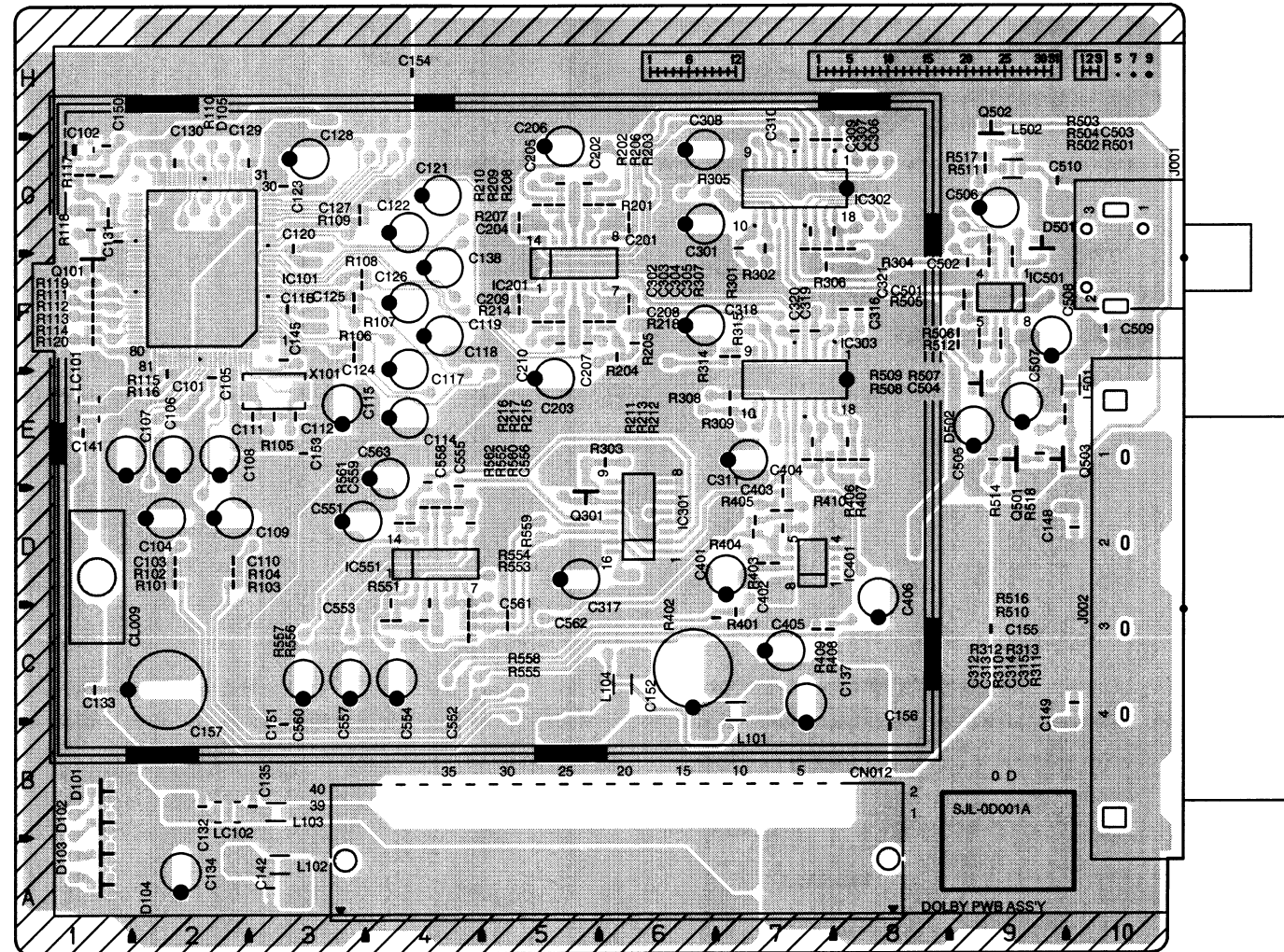
TP-91(B1)

DOLBY PWB PATTERN (PARTS SIDE) (AV32R25EKS / AV32R250EKS)

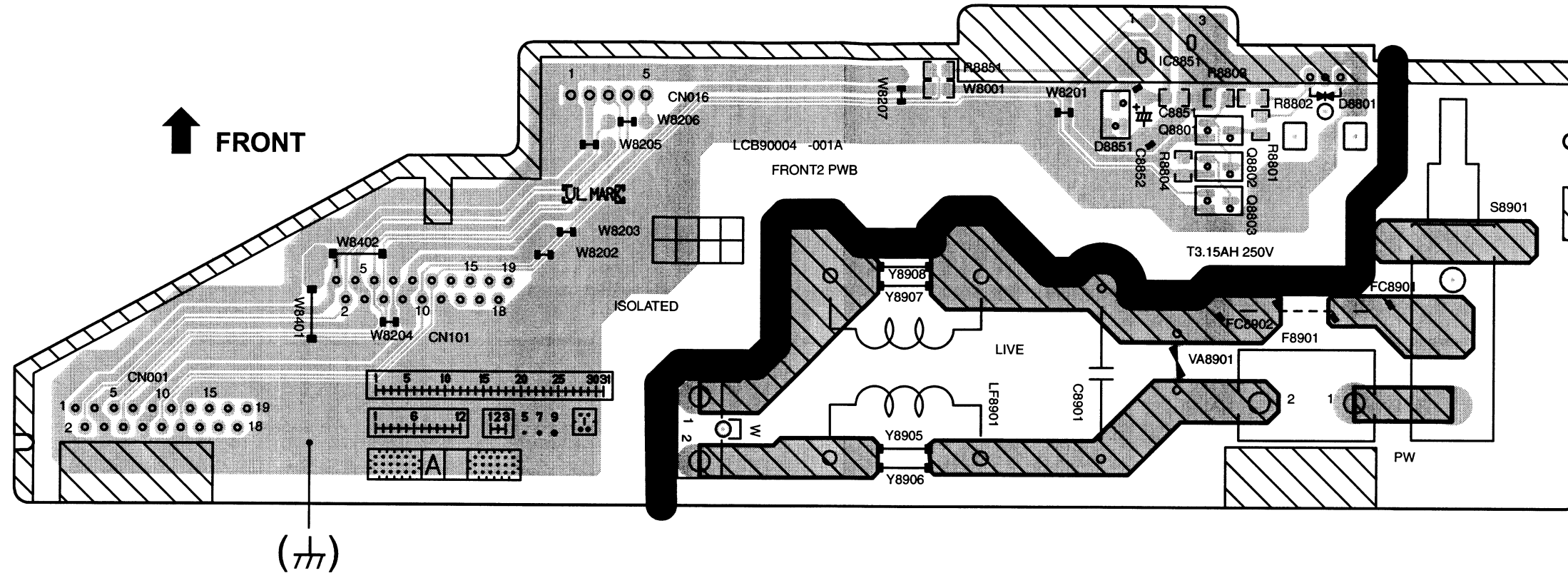
DOLBY PWB PATTERN (SOLDER SIDE) (AV32R25EKS / AV32R250EKS)

↑ TOP

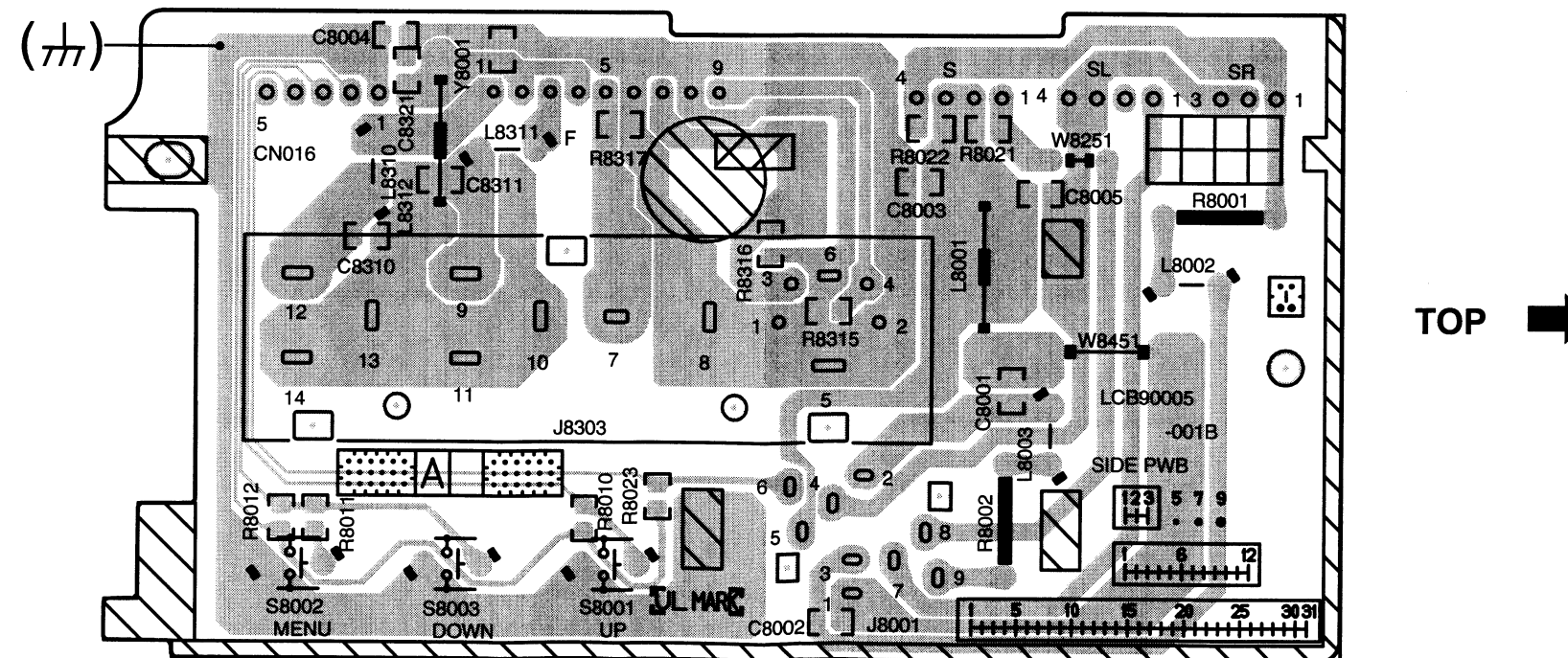
↑ TOP



FRONT CONTROL PWB PATTERN



SIDE CONTROL PWB PATTERN



AV32T25EKS / AV32T25EIS / AV32T55EKS AV32R25EKS / AV32R250EKS STANDARD CIRCUIT DIAGRAM

NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the Δ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester :DC 20k Ω /V
- (4)Oscilloscope sweeping time :H \Rightarrow 20 μ S/div
:V \Rightarrow 5mS/div
:Others \Rightarrow Sweeping time is specified
- (5)Voltage values :All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board :R1209 \rightarrow R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

- Resistance value

No unit	: { Ω }
K	: {K Ω }
M	: {M Ω }

- Rated allowable power

No indication	:1/ 16 [W]
Others	:As specified

- Type

No indication	:Carbon resistor
OMR	:Oxide metal film resistor
MFR	:Metal film resistor
MPR	:Metal plate resistor
UNFR	:Uninflamable resistor
FR	:Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

- Capacitance value

1 or higher	:{pF}
less than 1	:{ μ F}

- Withstand voltage

No indication	:DC50[V]
Others	:DC withstand voltage [V]
AC indicated	:AC withstand voltage [V]

- * Electrolytic Capacitors

47/50[Example]:Capacitance value [μ F]/withstand voltage[V]

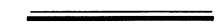

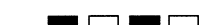
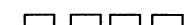
- Type

No indication	:Ceramic capacitor
MM	:Metalized mylar capacitor
PP	:Polypropylene capacitor
MPP	:Metalized polypropylene capacitor
MF	:Metalized film capacitor
TF	:Thin film capacitor
BP	:Bipolar electrolytic capacitor
TAN	:Tantalum capacitor

(3)Coils

No unit	:{ μ H }
Others	:As specified

(4)Power Supply



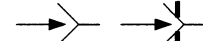
	:B1		:B2 (12V)
	:9V		:5V

* Respective voltage values are indicated





(5)Test point

	:Test point		:Only test point display
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

(6)Connecting method

	:Connector		:Wrapping or soldering
	:Receptacle		

(7)Ground symbol

	:LIVE side ground
	:ISOLATED(NEUTRAL) side ground
	:EARTH ground
	:DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

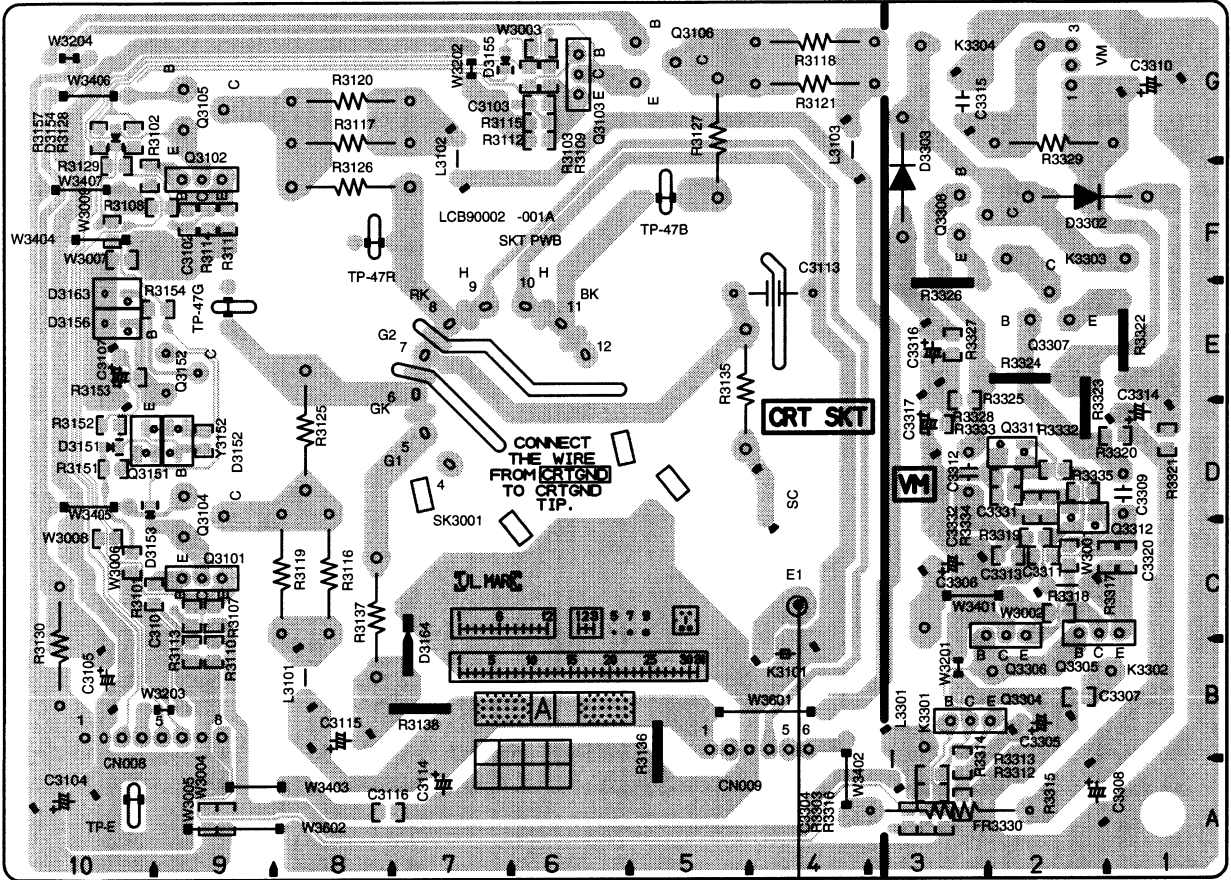
This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : () side GND and the ISOLATED(NEUTRAL) : () side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected , a fuse or any parts will be broken.

◇ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

◇ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.
When ordering parts, please use the numbers that appear in the Parts List.



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POWER & DEF PWB PATTERN

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SEMICONDUCTOR SHAPES

TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR

IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW

CHIP IC

TOP VIEW	

AV SW PWB PATTERN

